



# AIR FORCE LIFE CYCLE MANAGEMENT CENTER



## *PROPULSION DIRECTORATE*



Source Approval Request (SAR)  
and Qualification Requirements  
Familiarization  
31 March 16

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*Integrity - Service - Excellence*



# Overview



- Source Approval Request
  - Qualification Requirements
  - SAR Requirements
- SAR Construction and Evaluation
  - Elements and Evaluations
  - Overall SAR Process
  - Outcomes
- Site Survey
- Questions
- References



# BLUF



- Focused SAR Package Submittals
- Meet the Established Requirements
- Reduce Effort to Become Qualified



# AFSC Small Business Office



Home > Small Business Office



## Tinker AFSC Small Business Office

### Our Mission

Maximize small business participation in AFSC procurement. In order to achieve this, the Small Business Office counsels contractors, manages an effective out-reach program, tracks progress in meeting SB performance expectations, provides education to internal and external customers, advises and assists contracting and program personnel on SB matters and manages the Source Approval/Development program. Small business specialists strive to make using small business a smart solution, rather than a required program.

[External Disclaimer](#)

## Inside Tinker AFB

### Search

search Tinker   
[View All RSS](#)

### Contact Information

#### E-MAIL: AFSC/SB workflow

AFSC/SB  
3001 Staff Drive  
Suite 1AG85A  
Tinker AFB, OK  
73145-3009

**Phone:**  
[\(405\) 739-2601](tel:4057392601)  
**DSN: 339-2601**

**FAX:**  
(405) 739-7085  
DSN: 339-7085

### Training Material

[AFMC Instruction 23-113, Pre-award Qualification of New or Additional Parts Sources and the use of the Source Approval Request \(SAR\)](#)

[Source Development Training Aug 14](#)

### Director, Small Business Office

**Tinker AFB Small Business Office**  
**E-Mail: [The Director](#)**

The Director is responsible for establishing policy for the installation's small business and source development programs and managing and overseeing daily program operations.

### Source Development Specialists

The Source Development Specialists are the source development (SD) technical assistants to the director and manager of the SD program for AFSC. They are the points of contact for contractors seeking source approval for new manufacture and/or overhaul/repair of aircraft, jet engine, and instrument spare parts for AFSC.

**E-Mail: [Source Development Specialist](#)**

### Small Business Specialists

The Small Business Specialists are the Small Business (SB) Technical Assistants to the Director and point of contacts for the following programs:

- HUBZone
- WOB
- USAF Small Business News Review
- SB
- SDB
- 8(a)
- Veteran's Programs
- Long Range Acquisition Estimates

**E-Mail: [Small Business Specialist](#)**

<http://www.tinker.af.mil/sbo.asp>



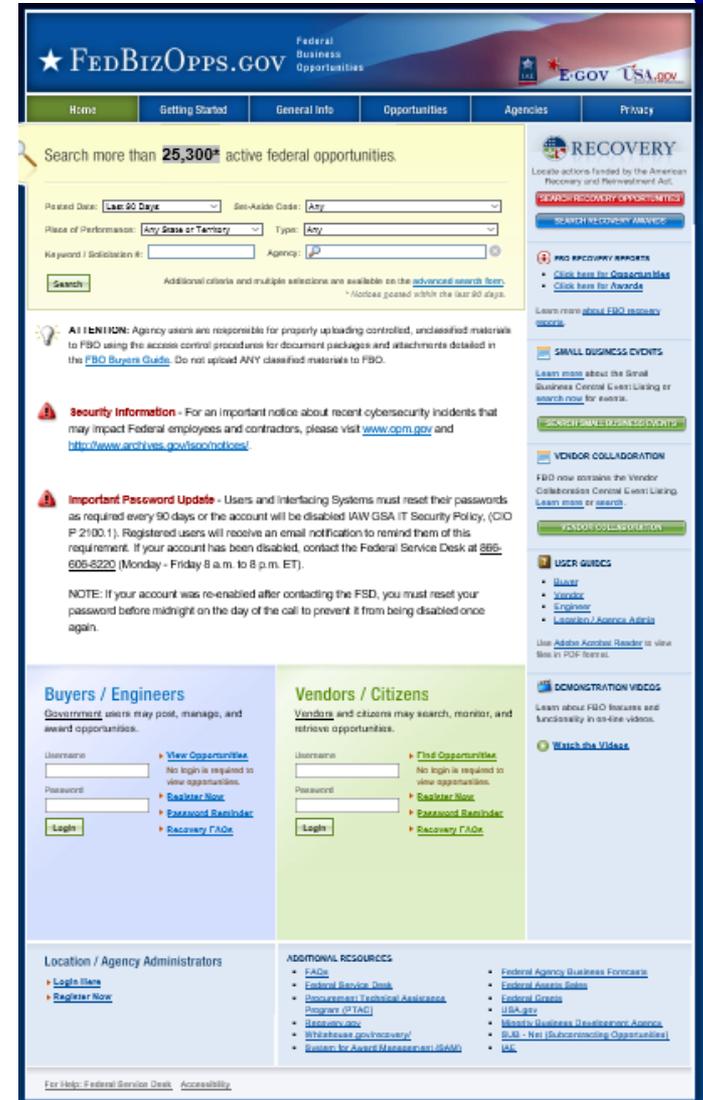


# FedBizOpps



## • System Overview

- The system is a web-based portal which allows review of Federal Procurement Opportunities over \$25,000.
- All Users can review:
  - Getting Started Training Materials
  - General Information
  - Opportunities
  - Agencies / Offices List
  - Privacy Statement Vendor Opportunity



FedBizOpps.gov

https://www.fbo.gov/?s=main&mode=list&tab=list



# FedBizOps.gov Search



- Review Features: Vendors can search for opportunities based:
  - Keyword or Solicitation Number
  - Opportunity/Procurement Type
  - Posted Date
  - Response Deadline
  - Last Modified Date
  - Contract Award Date
  - Place of Performance Zip Code
  - Place of Performance State
  - Set-Aside Code
  - Classification Code
  - NAICS Code
  - Agency/Office/Location(s)
  - Recovery and Reinvestment Act Action
  - J&A Statutory Authority

The screenshot displays the FedBizOps.gov search interface. At the top, there is a navigation bar with links for Home, Getting Started, General Info, Opportunities (highlighted), Agencies, and Privacy. Below the navigation bar, there are links for Buyers to Login or Register, and Vendors to Login or Register, along with an Accessibility icon. The main heading is "Search For Opportunities" with a "RETURN TO HOME" link. There are three tabs: Opportunities List, Advanced Search (selected), and Archives. The "Advanced Search" section prompts users to "Enter your search criteria and click search to find opportunities" and includes "Search", "Clear", and "Return To Opportunities List" buttons. The search criteria section includes: "Posted Date" (a dropdown menu), "Place of Performance State" (a dropdown menu with a list of states: Alabama, Alaska, American Samoa, Arizona, Arkansas), "Place of Performance Zip Code" (a text input field with a note to "Separate multiple zip codes by commas"), and "Documents To Search:" (radio buttons for Active Documents, Archived Documents, and Both). The "Set-Aside Code:" section has a link for "More information about Set-Aside Codes" and several checkboxes: Competitive S(a), Emerging Small Business, HUBZone, Woman Owned Small Business, Partial HBCU / MI, Partial Small Business, Service-Disabled Veteran-Owned Small Business, and Economically Disadvantaged Woman Owned Small Business. The "Opportunity/Procurement Type:" section includes checkboxes for Presolicitation, Modification/Amendment/Cancel, Foreign Government Standard, Intent to Bundle Requirements (DoD-Funded), Combined Synopsis/Solicitation, Sale of Surplus Property, Award Notice, and Fair Opportunity / Limited Sources Justification. The "Agency/Office/Location(s):" section has radio buttons for "All Agency/Office/Locations" (selected) and "Specific Agency/Office/Locations". The "Recovery and Reinvestment Act Action:" section has radio buttons for Yes, No, and Ignore (selected). At the bottom, there is a "Keywords or SOL#:" section with a text input field and a "GO" button.

FBO.GOV Buyer User Guide 1.9

[https://www.fbo.gov/downloads/FBO\\_Buyer\\_Guide.pdf](https://www.fbo.gov/downloads/FBO_Buyer_Guide.pdf)



# DLA Internet Bid Board System (DIBBS)



## DEFENSE LOGISTICS AGENCY Enterprise Business Systems DLA Internet Bid Board System (DIBBS)

### DEPARTMENT OF DEFENSE (DoD) NOTICE AND CONSENT BANNER

**You are accessing a U.S. Government (USG) Information System (IS) that is provided for USG-authorized use only.**

By using this IS (which includes any device attached to this IS), you consent to the following conditions:

- The USG routinely intercepts and monitors communications on this IS for purposes including, but not limited to, penetration testing, COMSEC monitoring, network operations and defense, personnel misconduct (PM), law enforcement (LE), and counterintelligence (CI) investigations.
- At any time, the USG may inspect and seize data stored on this IS.
- Communications using, or data stored on, this IS are not private, are subject to routine monitoring, interception, and search, and may be disclosed or used for any USG-authorized purpose.
- This IS includes security measures (e.g., authentication and access controls) to protect USG interests--not for your personal benefit or privacy.
- Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI investigative searching or monitoring of the content of privileged communications, or work product, related to personal representation or services by attorneys, psychotherapists, or clergy, and their assistants. Such communications and work product are private and confidential. See User Agreement for details.

.....OK.....

<https://www.dibbs.bsm.dla.mil/dodwarning.aspx?goto=/default.aspx>



# DIBBS Search



DLA INTERNET BID BOARD SYSTEM (DIBBS) The DLA Internet Bid Board is a web-based bid board that allows suppliers to search for, view, and submit secure quotes on Requests For Quotations (RFQs), search and view Request for Proposals (RFPs), and view awards for DLA items of supply.

- DIBBS Registration is required to receive a login to conduct transactions over restricted portions of DLA DIBBS and to register email addresses for solicitation and award notification.
- Solicitation Notification: DIBBS provides daily vendor notifications for RFQs via email when they are included on the buyer's mailing list, if the suppliers have requested email notification for that NSN or FSC as part of their DIBBS registration, and if the vendor had a contract in the last 12 months.
- Vendor-Directed Solicitation Notification: DIBBS registration has an optional Vendor-Directed Solicitation Notification feature.
- Award/Modification Notification: DIBBS sends email notification with a web link for all awards/modifications posted on DIBBS, unless the CAGE received a delivery order via Electronic Data Interchange or EDI. RFQ

### Custom Queries Search the RFQ Database.

**RFQ DATABASE SEARCH**

**Search Categories:** NSN/Part Number

**Search Value(s):**

**NSN/Part Number**  
Enter search values on a single line with or without a comma separator.

Wildcard Permitted: Yes  
MIN Value Length: 5  
MAX Value Length: 45  
Acceptable Chars: a-z A-Z 0-9 \* , -  
Example »5962011231234

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**Scope. Show RFQs only for:**  
Open - RFQs available for quoting

**Sorted by:** NSN

**Show Only:**

- Items with Technical Documents
- Fast Award Candidates
- Small Business Set-Asides
- HUBZone Set-Asides
- Auto-IDPO
- Combined Set-Asides
- Service Disabled Veteran Owned Small Business Set-Asides

[Additional RFQ Database Search Help](#)

<https://www.dibbs.bsm.dla.mil/>

Direct email notification of new solicitations that match selections for FSC, NSN, and Approved CAGE.

# Strategic Alternate Sourcing Program Office (SASPO)



Home > 429 SCMS.SASPO

## Strategic Alternate Sourcing Program Office



## Inside Tinker AFB

### Search

search Tinker

View All RSS

### Contact Info

**E-MAIL:**  
[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)  
**PHONE:** (SASPO - DMSMS) [405-736-5246](tel:405-736-5246) DSN: 336-5246

429 SCMS/GUMD  
 Alternate Sourcing Flight  
 Strategic Alternate Sourcing Program Office (SASPO)  
 3001 Staff Drive, Suite 2AC1 94B  
 Tinker AFB, OK 73145-3009

### Helpful Links

[WR-ALC Small Business Robins AFB, GA](#)  
[OC-ALC Small Business Tinker AFB, OK](#)  
[OO-ALC Small Business Hill AFB, UT](#)

### Reference Links - Source Development

- [AFMCI 23-113](#)
- [Requirements Projections On the Web \(RPOW\) Point of Contact: Angela Baldwin \(angela.baldwin.2@us.af.mil\)](#)
- [FedBizOpps](#)
- [DLA WebFLIS](#)
- [Defense Logistics Agency Internet Bid Board System \(DIBBS\)](#)
- [Aviation Critical Safety Item Management Handbook \(CSI Handbook\)](#)
- [JACG Source-Approved and Management Handbook](#)

<http://www.tinker.af.mil/429scms.saspo/>



# SASPO Resources



## Source Development

### Source Approval Requests (SARs)

A qualification process the AF utilizes to qualify sources of supply or repair

- Provide Qualification Requirements to industry through FedBizOps
- Perform quality checks of SAR packages
- Driving standard operating procedures within the source approval process

### Repair Development

Matching industry capabilities and new technologies to AF requirements

- AFSC lead on increasing bearing re-use in the Air Force
- Increase propulsion blade and vane repairs
- Evaluating consumable items for potential repair versus buy

### Reverse Engineering

Provide program management for certain reverse engineering projects

- Coordinating reverse engineering efforts for F100 engine cables
- Working with Air Force Research Lab (AFRL) and Department of Energy Labs Coordinated reverse engineering for the C-17 Fire Extinguisher Bottle



**AFMCI 23-113 Pre-Award Qualification of New or Additional Parts Resources and the Use of the Source Approval Request (SAR) Requirements Projections On the Web (RPOW) Federal Business Opportunities (FedBizOpps) Defense Logistics Agency (DLA) Web FLIS**

## Diminishing Manufacturing Sources & Material Shortages (DMSMS)

**Predictive Tool (AVCOM):** AVCOM provides the capability to instantly status weapon system health across the enterprise

- Provides a proactive approach to obsolescence management which allows users to resolve issues before they can affect supportability
- Provides important attributes above and beyond the normal piece part characteristics, for Hardness Critical Items (HCI), Critical Safety Items (CSI), Radiation Hardness (Rad Hard) and can track unlimited BOM indented levels
- Reduces MICAPS and increases system availability due to part obsolescence
- Maintain compliance with AFMCI 63-1201 "Operational Safety Suitability and Effectiveness (OSS&E) and Life Cycle System Engineering (LCSE)"
- Provides users the capability to share previous resolved DMSMS issues with other users
- Provides the capability to maximize return on investment and bolsters DMSMS management effectiveness and obsolescence identification for AF weapon systems

**Analysis and Resolution (A&R):** A&R provides weapon system managers with the resources to perform system studies and proactively identify and resolve component unavailability issues before impacting supportability. Provides the resources to reactively solve part obsolescence issues with a timely cost effective resolution

- Increase of weapon system availability, capability, war readiness, mission capability Identification of Form ,Fit, Function, & Interface replacement parts to accomplish repairs at all organic and contractor repair facilities
- Identification of component manufacturers and commercial market availability sources for replacement parts
- Identification of commercial repair sources to satisfy current DMSMS repair requirements
- Proactive identification of DMSMS component sources to mitigate DMSMS problems before they occur thus avoiding expensive redesign projects

## Reference Links - DMSMS

<a href="#">AFMCI 23-103</a>
<a href="#">GIDEP</a>
<a href="#">DMSMS Knowledge Sharing Portal/Guidebook</a>

## Reference Documents

- SASPO Commercially-Used Overhauled Potential Buy List Fall 2015 Requirements Computation
- SASPO Target List - Fall 2015
- SAR Training
- Quick Overview of Qualification Process 2015
- Propulsion Qualification Requirement - SAR Package Prep
- 448 SCMW Buy Projections - Spring 2015
- 448 SCMW Contract Repair Projections - Spring 2015
- FSC 1560 (Structures) Reverse Engineering Industry Day 20 August 2015
- Commercially-Used Overhauled Industry Day 20 August 2015
- Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program Predictive Tool
- Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program Analysis & Resolution (A&R) Support Brochure



**AFMCI 23-103 (DMSMS)  
Gov Industry Data Exchange Program (GIDEP)  
DMSMS Knowledge Sharing Portal  
DMSMS Guidebook (SD-22)**



# SASPO Trigger List



SASPO Target List Fall 2015 – Sorted by Air Logistics Complex (ALC) Based on March 2015 Comp Cycle Data from DO75 Automated Budget Compilation System (ABCS)

#	ALC	FSC	NIIN	MMAC	NOUN	FUP	FY13 QTY	FY14 QTY	FY15 QTY	FY16 QTY	FY16 Spend \$	FY17 QTY	FY17 Spend \$	FY18 QTY	FY18 Spend \$	FY16-FY18 Spend \$
1	OC	2840	013872657	NZ	DUCT,FAN,-	\$97,363.00	44	35	21	143	13,922,909	50	4,868,150	52	5,062,876	23,853,935
2	OC	5895	015775557	FW	PROCESSOR	\$737,165.56	0	0	0	7	5,160,159	2	1,474,331	0	0	6,634,490
3	OC	2840	012118933	NZ	SUPPORT,SE	\$29,173.67	0	0	44	59	1,721,247	78	2,275,546	69	2,012,983	6,009,776
4	OC	1680	002499370	FL	RUDDEVATOR	\$24,336.66	0	0	0	59	1,435,863	51	1,241,170	44	1,070,813	3,747,846
5	OC	2840	012783281	NZ	SUPPORT,TU	\$19,257.03	0	0	51	0	0	103	1,983,474	89	1,713,876	3,697,350
6	OC	2840	015412442	JF	HOUSING,GE	\$46,929.63	1	34	93	58	2,721,919	0	0	0	0	2,721,919
7	OC	2840	016032118	NZ	SEAL,AIR,A	\$1,231.88	1476	434	0	424	522,317	840	1,034,779	840	1,034,779	2,591,876
8	OC	2840	012403588	PR	BARE FRONT	\$121,005.39	0	0	0	0	0	15	1,815,081	5	605,027	2,420,108
9	OC	1560	015495101	FG	NOSE RADOM	\$462,168.00	0	0	0	0	0	5	2,310,840	0	0	2,310,840
10	OC	2840	012075405	JF	CASE,COMPR	\$115,297.04	0	0	27	0	0	10	1,152,970	8	922,376	2,075,347
11	OC	2840	015042791	NZ	SUP,TURB D	\$6,982.51	67	0	63	103	719,199	98	684,286	95	663,338	2,066,823
12	OC	2840	016195780	NZ	LOCK RING,	\$4,611.81	0	0	0	270	1,245,189	120	553,417	46	212,143	2,010,749
13	OC	1560	015298392	FL	CELL,FUEL,	\$18,222.59	0	0	0	39	710,681	35	637,791	35	637,791	1,986,262
14	OC	2840	003437805	NZ	SUPPORT,SE	\$19,859.51	0	0	0	21	417,050	39	774,521	39	774,521	1,966,091
15	OC	1560	015302926	FL	CELL,FUEL,	\$20,795.62	0	50	0	31	644,664	30	623,869	28	582,277	1,850,810
16	OC	6110	011414879	HY	CONTROL,GE	\$34,002.45	0	0	0	0	0	0	0	51	1,734,125	1,734,125
17	OC	1560	015298391	FL	CELL,FUEL,	\$19,954.56	0	66	0	31	618,591	28	558,728	27	538,773	1,716,092
18	OC	1560	015297626	FL	CELL,FUEL,	\$17,765.97	0	17	0	33	586,277	31	550,745	31	550,745	1,687,767
19	OC	1560	015302924	FL	CELL,FUEL,	\$18,916.20	0	56	0	42	794,480	24	453,989	23	435,073	1,683,542
20	OC	1560	015298393	FL	CELL,FUEL,	\$22,643.51	0	85	0	24	543,444	24	543,444	22	498,157	1,585,046
21	OC	2995	011467571	JF	MANIFOLD,F	\$46,233.60	4	0	30	10	462,336	13	601,037	11	508,570	1,571,942
22	OC	1560	015297625	FL	CELL,FUEL,	\$22,050.59	0	39	0	25	551,265	22	485,113	21	463,062	1,499,440
23	OC	2840	015807061	NZ	SUPPORT,TU	\$25,450.11	0	6	0	0	0	26	661,703	30	763,503	1,425,206
24	OC	2840	014901337	OK	CASE, A/B,	\$38,995.07	0	0	0	7	272,965	15	584,926	14	545,931	1,403,823
25	OC	2840	014984163	NZ	DUCT,FAN,A	\$168,728.00	0	0	0	0	0	5	843,640	3	506,184	1,349,824
26	OC	1560	015297635	FL	CELL,FUEL,	\$18,335.49	0	45	0	25	458,387	23	421,716	21	385,045	1,265,149
27	OC	2840	011920808	JF	DUCT,FAN,A	\$31,571.52	0	0	0	40	1,262,861	0	0	0	0	1,262,861
28	OC	2840	012311048	OK	FLAMEHOLDE	\$23,355.43	12	11	0	15	350,331	19	443,753	16	373,687	1,167,772
29	OC	2840	002803976	NZ	HOUSING,AN	\$12,815.64	0	0	0	0	0	45	576,704	45	576,704	1,153,408
30	OC	2840	003214600	NZ	HOUSING,SE	\$10,885.80	3	19	0	47	511,633	28	304,802	24	261,259	1,077,694
31	OC	1560	011059521	FG	FUEL ACCES	\$5,506.12	0	27	0	0	0	155	853,449	31	170,690	1,024,138
32	OC	2840	012149746	NZ	FAIRING,TU	\$5,366.40	52	0	58	31	166,358	79	423,946	70	375,648	965,952
33	OC	3040	012118934	NZ	BELL CRANK	\$1,341.28	0	0	0	111	148,882	297	398,360	275	368,852	916,094
34	OC	2840	013084465	NZ	DIVERGENT	\$3,103.68	600	277	503	0	0	73	226,569	214	664,188	890,756
35	OC	2840	013094147	NZ	FLAMEHOLDE	\$15,620.45	0	56	0	0	0	17	265,548	37	577,957	843,504
36	OC	2840	016028421	NZ	SEAL,AIR,A	\$5,152.12	0	145	31	43	221,541	60	309,127	60	309,127	839,796
37	OC	2840	012050540	NZ	SEAL,AIR,A	\$2,992.01	163	161	0	0	0	140	418,881	135	403,921	822,803
38	OC	2840	012919942	JU	HOUSING,GE	\$112,068.99	0	0	0	4	448,276	2	224,138	1	112,069	784,483
39	OC	2840	009668088	RV	SPACER,COM	\$13,851.98	0	0	0	40	554,079	7	96,964	5	69,260	720,303

The 36 Month SASPO Target List is provided every 6 Months and extracted from RPOW



# AFMCI 23-113 Policy

- 2.2.2. The **ESA will establish the qualification requirements for potential parts being considered.** The qualification requirements will be in accordance with FAR 9.2 Qualification Requirements and DoD 4120.24-M Defense Standardization Program, Policy and Procedures. Qualifications requirements will be documented as described in Justification for Qualification Requirements.
  - 2.2.2.1. Prepare pre-award qualification requirements whenever prequalification of a source or its product is required and it has not been determined that it is unreasonable to develop or specify the standards for qualification which a prospective offeror or its product must satisfy.
    - 2.2.2.1.1. The **waiver process is available when prequalification is required** and it is unreasonable to develop or specify the standards for qualification which a potential offeror or its product must satisfy. Prepare waivers in accordance with FAR 9.202(b) and documented
  - 2.2.2.2. The ESA will assign and document item-criticality (Critical Safety Item (CSI), Critical Application Item (CAI) , Non-critical), along with critical characteristics, if any, for potential parts being considered. DFARS 209.270-2 defines Aviation CSI. In addition, there may be other definitions tailored to a specific type of weapon system.



# Justification for Qualification Requirements

- Engineering
  - Check Master QR Listing
  - JQR approved 2015
    - CSI
      - Technical Branch
    - CAI
      - Comp Advocate
      - Head of Procurement
- Cost
  - Waivers \$ 1,500
  - SAR/Master SAR \$ 2,500
  - SAR Lite \$ 1,500
  - Resubstantiation \$ 1,000
  - SRR Lite \$ 500

<https://org.eis.afmc.af.mil/sites/639acsg/LPSE/Source%20Approval%20Request%20Training/Forms/AllItems.aspx>

23 Oct 15 → → → JRQR-PSD-1 & 2  
Revision 1

**JUSTIFICATION FOR MANUFACTURING QUALIFICATION REQUIREMENTS**

FAR 9.202(a) Policy as amended by DFARS 209.270-4(a)(2) Procedures

**1.-DESCRIPTION OF SUPPLIES OR SERVICES:**

1.1.→ This justification applies to pre-award qualification for repair of engine components specifically approved by the Engineering Support Activity (ESA) by standard Manufacturing Qualification Requirements (RQR).

1.2.→ Description of Repairs: The manufacture required for the parts covered by this justification include processes that are capable of producing alterations in the material structure of a part which can compromise the parts. Examples of processes of these parts are listed in:

1.3.→ Component Function: The components covered by this justification are part of one or more configurations of the engine(s) in which they are installed.

**2.-JUSTIFICATION FOR QUALIFICATION REQUIREMENTS:**

2.1.→ Criticality: This component(s) covered by this justification have been classified as Critical Safety Items (CSI) or Critical Application Items (CAI).

2.1.1.→ A CSI is a part, an assembly, installation equipment, launch equipment, recovery equipment, or support equipment for an aircraft or aviation weapon system if the part, assembly, or equipment contains a characteristic any failure, malfunction, or absence of which could cause a catastrophic or critical failure resulting in the loss of or serious damage to the aircraft or weapon system, an unacceptable risk of personal injury or loss of life, or an uncommanded engine shutdown that jeopardizes safety.

2.1.2.→ A CAI is an item that is essential to weapon system performance or operation, or the preservation of life or safety of operating personnel, as determined by the military services. The subset of CAIs whose failure could have catastrophic or critical safety consequences (Category I or II as defined by MIL-STD-882) is called CSIs.

2.2.→ Complexity: The components covered by this justification include one or more repair processes that are capable of producing alterations in the material structure of a part which cannot normally be evaluated without destructive testing and which can compromise the mechanical properties and ultimately the reliability of the parts. These processes require specialized equipment and unique capabilities. The repair process complexities are described as follows:

23 Oct 15 → → → JRQR-PSD-1 & 2  
Revision 1

**JUSTIFICATION FOR REPAIR QUALIFICATION REQUIREMENTS**

FAR 9.202(a) Policy as amended by DFARS 209.270-4(a)(2) Procedures

**1.-DESCRIPTION OF SUPPLIES OR SERVICES:**

1.1.→ This justification applies to pre-award qualification for repair of engine components with and without Source Demonstration and specifically approved by the Engineering Support Activity (ESA) by standard Repair Qualification Requirements (RQR).

1.2.→ Description of Repairs: The repairs required for the parts covered by this justification include processes that are capable of producing alterations in the material structure of a part which cannot normally be evaluated without destructive testing and which can compromise the mechanical properties and ultimately the reliability of the parts. Examples of processes that are considered to be significant and required for repair of these parts are listed in Appendix B of the RQR-PSD-1 & 2.

1.3.→ Component Function: The components covered by this justification are part of one or more configurations of a jet engine and contribute to the proper and safe operation of the engine(s) in which they are installed.

**2.-JUSTIFICATION FOR QUALIFICATION REQUIREMENTS:**

2.1.→ Criticality: This component(s) covered by this justification have been classified as Critical Safety Items (CSI) or Critical Application Items (CAI).

2.1.1.→ A CSI is a part, an assembly, installation equipment, launch equipment, recovery equipment, or support equipment for an aircraft or aviation weapon system if the part, assembly, or equipment contains a characteristic any failure, malfunction, or absence of which could cause a catastrophic or critical failure resulting in the loss of or serious damage to the aircraft or weapon system, an unacceptable risk of personal injury or loss of life, or an uncommanded engine shutdown that jeopardizes safety.

2.1.2.→ A CAI is an item that is essential to weapon system performance or operation, or the preservation of life or safety of operating personnel, as determined by the military services. The subset of CAIs whose failure could have catastrophic or critical safety consequences (Category I or II as defined by MIL-STD-882) is called CSIs.

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# Class Action Waiver

- AMC/AMSC Confirmed
  - G (Full and Open Competition)
    - No Waiver/SAR Required
  - A Data Right Questionable
  - B Source Control (OEM Qualification)
  - H No sufficient, accurate or legible data to purchase from other than the current source
  - L Low Dollar Buy
  - O No AMSC Code Assigned
  - U No Projected Life Time Savings
  - Y Unstable Design
- Validate Expiration Date
- No Additional Action is Required

**AMSC/RMSC WAIVER OF QUALIFICATION REQUIREMENTS (QR)<sup>¶</sup>**  
**Determination of Unreasonableness to Specify Qualification Standards<sup>¶</sup>**  
**(FAR 9.202(b))<sup>¶</sup>**

<sup>¶</sup> **Section A. Description of Supplies or Services:** This waiver applies to any Propulsion critical items, CSI and CAI, with current 761 or 762 having an AMSC or RMSC code of A, B, H, L, O, U and Y. This waiver applies to any new NSN/PN that may supersede the existing NSN/PN having the same AMSC or RMSC codes.<sup>¶</sup>

<sup>¶</sup> **Section B. Rationale Supporting Unreasonableness:** QR(s) for these CSI(s) and CAI(s) cannot be drafted because the AMSC or RMSC codes are temporary, source controlled, not cost effective, unstable or have data or data rights issues. For these reasons, only the current approved sources on the 761 or 762 are considered to be able to insure these requirements for new manufacture or repair are met.<sup>¶</sup>

<sup>¶</sup> **Section C. Planned Corrective Action and Schedule:** (if feasible) It is neither cost effective nor feasible to acquire the necessary technical, manufacturing, repair and engineering data required to draft proper qualification requirements for these items. For A & H codes, OEM will not or cannot provide this data or data rights necessary to the Air Force. For B Codes, the USAF determined that all source for source control items would be approved by the OEM. For L & U codes, the items do not have any projects saving now or over their lifetime in order to qualify additional sources. For Y codes, the design is unstable and has not reached a stable configuration control point. Further, obtaining the knowledge base and the continuing research capability as maintained by the OEM is not possible. Therefore, the only corrective action planned at this time is to continue to request the data or data rights and/or to monitor the buy amounts and configuration control. If at any point, the AMSC or RMSC code is changed on the 761 or 762 from the codes specified in Section A, this waiver will not apply. Those NSN/PN(s) will have to be appended to one of the existing Propulsion Manufacturing or Repair QRs.<sup>¶</sup>

<sup>¶</sup> **Section D. Determination:** Due to the rationale in Part B above, it is hereby determined that it is unreasonable to develop or specify the QRs that a prospective contractor must satisfy to provide these critical items. POC for this document is the AFLCMC Engineer listed on the 761 or 762<sup>¶</sup>

<sup>¶</sup>  
<sup>¶</sup>  
<sup>¶</sup>

Competition Advocate → → → Date → →	Cognizant Engineering Authority → → Date <sup>¶</sup>
Mary J. Wade, AFSC/PZC → → → →	Melanie Jonason, AFLCMC/LPSE <sup>¶</sup>

<sup>¶</sup>  
<sup>¶</sup>  
<sup>¶</sup>

Senior Center Contracting Official → → Date <sup>¶</sup>
Ray E. Nicholas, AFSC/PZA <sup>¶</sup>

<sup>¶</sup>  
<sup>¶</sup>  
<sup>¶</sup> The authority granted by the signatures for waiver shall not exceed two (2) years past the last signed date. The waiver shall be examined and revalidated if the last signed date is over 2 years old (FAR 9.202(b)).<sup>¶</sup>  
<sup>¶</sup>



# Individual NSN QR Waiver



- NSN SPECIFIC WAIVER
- Engineering will state the issue with providing the Qualification Requirement
  - Casting or Forging Availability
  - Master Tool Availability
  - Material Availability
  - Other Engineering Constrains
- No Additional Action is Required

Waiver of Qualification Requirements FAR 9.202(b)

**Section A. Description of Supplies or Services:**

Noun: Ring-Air Sealing, Turbine 3<sup>rd</sup> Stage, Assy,  
 NSN/PN: 2840-01-450-9977NZ / 4083239-01  
 TO Reference: 2J-F100-53-9, WP 408 00  
 Criticality: CSI  
 RMC/RMSC Code: R3/P  
 Application: F100-PW229 engine used on the F-15/F-16 aircraft  
 Function: The Ring-Seal Assembly rides on the knife edge seals of the HPT nut and controls the flow of air along the shaft between the 2<sup>nd</sup> stage high pressure turbine disk and the 3<sup>rd</sup> stage low pressure turbine disk surfaces to maintain the pressure differential.

**Section B. Rationale Supporting Unreasonableness:**

The part referenced in this waiver document has been deemed a critical safety item (CSI) and must meet all material property and quality specifications. However, repair qualification requirements cannot be drafted by the government; data rights contained in the original equipment manufacturer (OEM) design/qualification specifications for the repair detail and proprietary repair process were never purchased. Engineering contacted the owner of the proprietary data on 04 May 15 to inquire about purchasing said data, with a negative response received on 05 May 15. Moreover, laboratory testing alone cannot identify all potential quality and engine performance concerns. The OEM approved repair source is therefore the single authority capable of maintaining quality control of the finished assembly/product and is considered the only authority qualified to fulfill every requirement for repair.

**Section C. Planned Corrective Action and Schedule (if feasible):**

It is neither cost effective nor feasible to acquire the necessary technical, engineering, and repair detail print data required to draft proper repair qualification requirements for this item. Reverse engineering of this item would cost an estimated \$25,500,000 and take approximately 7 years to complete. Further, obtaining the knowledge base and the continuing research capability as maintained by the OEM approved repair source is not possible. No corrective action is planned at this time.

**Section D. Determination:**

Due to the rationale in Part B above, it is hereby determined that it is unreasonable to develop or specify the standards for repair qualification that a prospective contractor must satisfy for the part listed in Part A.

<p>[Redacted] <u>OSMANIS</u>        Cognizant Engineer Date        Nicholas Peterman, AFLCMC/LPSEA        405-734-8782</p>	<p>[Redacted] <u>5/12/15</u>        Competition Advocate Date        Mary Wade, AFSC/PZC        405-734-5135</p>
<p>[Redacted] <u>8 MAY 15</u>        Engineering Authority Date        Melanie Jonason, AFLCMC/LPSEN        405-736-2013</p>	<p>Chief of Contracting Office Date        Ray Nicholas, AFSC/PZA        405-739-3459        (Waiver expires 2 years after approval)</p>



# Waiver means Stop



Do Not Pass Go.

Do Not Submit  
a SAR



# Technical Data Request

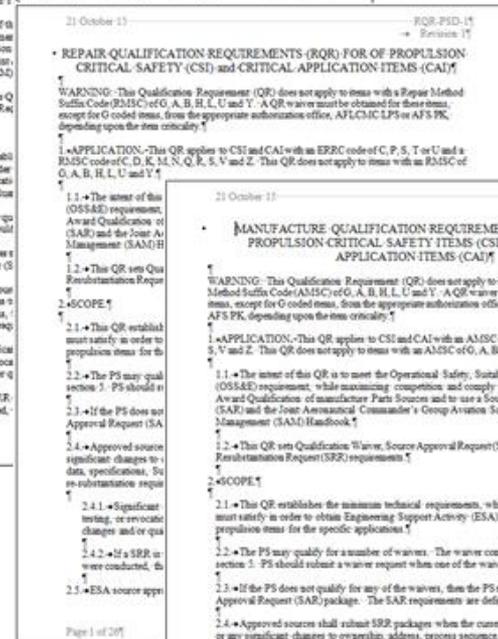
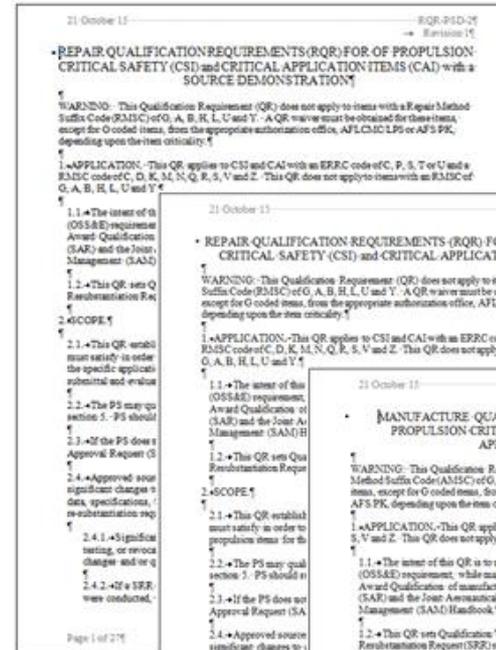


- Request Data or Data Rights Purchases for Drawings
- Public Sales Office (PSO)
  - Provides commercial customers a method to purchase engineering data directly from the ALCs data repository.
  - Requires the customer to register with FedBizOps prior to a purchase request.
    - submit a request for data or ask questions through the PSO email listed below.
  - Offers single or revolving account data purchase options.
  - Department of Defense policy mandates only the Data Custodian listed on the Military Critical Technical Data Agreement (DD Form 2345) is eligible to receive data.
  - NOT Freedom of Information Action (FOIA) or Free
- Technical Order Home Office
  - Provides commercial customers a method to purchase technical orders directly
  - Department of Defense policy mandates only the Data Custodian listed on the Military Critical Technical Data Agreement (DD Form 2345) is eligible to receive data.
  - NOT Freedom of Information Action (FOIA) or Free



# Propulsion Standard QRs

- MQR-PSD-1
  - Apply to CSI and CAI
  - AMSC code of C, D, K, M, N, P, Q, R, S, V and Z.
  - Do not apply to AMSC of G, A, B, H, L, O, U and Y.
- RQR-PSD-1 or RQR-PSD-2 (Source Demo)
  - Apply to CSI and CAI
  - ERRC code of C, P, S, T or U
  - RMSC code of C, D, K, M, N, P, Q, R, S, V and Z.
  - Do not apply to RMSC of G, A, B, H, L, O, U and Y.



Comply with AFMCI 23-113, CSI & SAM Handbooks



# AFMCI 23-113 Source Approval Categories



- Category I, Actual Item. - SARs received from suppliers who have manufactured or performed ROMM on the exact (Subject) item to the OEM technical data for the prime contractor, OEM, another service or, a civil sector under FAA PMA identity. The item will be produced and evaluated against the ESA approved technical data package.
- Category II, Similar Item– SARs received from suppliers who have not previously manufactured, repaired, or overhauled the exact (Subject) item, but have manufactured or performed ROMM on items similar in complexity, design, criticality, manufacturing/repair/overhaul processes, materials, and application for the
  - a) Prime Contractor, OEM, or another service using OEM data, or
  - b) civil sector under FAA PMA based on identity
- Category III, New Manufacturer of Item - This category covers offerors who do not meet Category I or II criteria but have the OEM’s technical data and intend to produce to the ESA approved technical data package.
- Category IV, Alternate Item - SARs received from an offeror who is proposing an alternate part as the equivalent to the OEM part. These can be reverse engineered, but not reengineered components.



# SAR Waiver Determination



- Submitter
  - Reviews the QR
  - Determines if A SAR or Waiver should be submitted
  - Submits the Qualification Waiver Condition (QWC) & Required Documents

**Use Waiver if one applies versus submitting a SAR.**



# Manufacturing SAR Waivers



The Offeror should consider submitting a waiver for evaluation after they have determined that one of the following waiver conditions has been met:

- QWC1: The potential source submits written certification that the articles have been supplied to the government or original equipment manufacturer (e.g., DD Form 250, Material Inspection and Receiving Report, Purchase Order invoice).
- QWC2: The potential source is qualified on the right-hand article and requests to be qualified on the left-hand article. If the right-and left-hand articles are mirror images of each other, then approval can generally be given.
- QWC3: A source qualified to provide an assembly is usually qualified to provide subassemblies, major components, and items of that assembly. Applies only if all the manufacturing or repair for subcomponents is conducted in-house and elements G, H, K L and M were provided during the qualification of the assembly.
- QWC4: A source qualified to provide earlier dash numbers of a basic P/N may be qualified to provide other dash numbers of that same basic P/N, provided there is no increase in complexity, criticality, or other relevant requirements.
- QWC5: Supplier shall submit SAR CAT II or III.
- QWC6: A source previously qualified to provide an item, but which has been purchased, sold, merged, absorbed, reformed, split, etc., may qualify if it can be established that the qualification is currently with the requester and that the requester has the same or equivalent facilities, tooling, equipment, personnel, and utilizes the original forging, castings, etc., in the process. **NOVATION LETTER IS REQUIRED.**
- QWC7: Other. Needs to be adapted based on the situation. This waiver has been used for OEM moving to a new facility. The ESA will adjust the elements required.



# SAR Waiver Data Requirements

## Manufacturing



- Each Waiver must be accompanied with the required data
- The data requirements are defined by the QR elements.
- The 815 is used to evaluate the data elements.

Element	Title	Qualification Waiver Criteria						
		1	2	3	4	6	7	
A	Cover Letter	■	■	■	■	■	■	
B	Technical Data Rights Certification Statement, if required	■	■	■	■	■	□	
C	Brochure & Correspondence (Tool List Only)	■	■	■	■	■	□	
D	Quality Assurance Documentation	□	□	□	□	■	□	
E	Subject Item Technical Data	□	□	□	□	□	□	
G	Sub-Tier Supplier (Sub-Vendor) Information (Frozen for CSI)	■	■	■	■	■	□	
H	Quality History	■	■	■	■	■	□	
J	Similarities/Differences of Subject/Similar Items	□	■	□	■	□	□	
K	Purchase Orders & Shipping Documents	■	■	■	■	■	□	
L	Process/Operations Sheets & Travelers (Frozen for CSI)	■	■	■	■	■	■	
M	Inspection Method Sheets (IMS) (Frozen for CSI)	■	■	■	■	■	■	
N	Prime Contractor's Quality Rating System Report	■	□	□	□	■	□	
O	License Agreement, If Applicable	■	■	■	■	■	□	
Q	Government/Prime Contractor Surveys	■	□	□	■	■	□	
T	Master Tooling Certifications	■	■	■	■	■	□	
U	Government Quality Assurance Compliance	■	■	■	■	■	□	
AA	ESA/OEM Approval Letter	■	■	■	■	■	□	
AB	Novation Letter	□	□	□	□	■	□	



# Repair SAR Waivers

The Offeror should consider submitting a waiver for evaluation after they have determined that one of the following waiver conditions has been met:

- QWC1: The potential source submits written certification that the articles have been supplied to the government or original equipment manufacturer (e.g., DD Form 250, Material Inspection and Receiving Report, Purchase Order invoice).
- QWC2: The potential source is qualified on the right-hand article and requests to be qualified on the left-hand article. If the right-and left-hand articles are mirror images of each other, then approval can generally be given.
- QWC3: A source qualified to provide an assembly is usually qualified to provide subassemblies, major components, and items of that assembly. Applies only if all the manufacturing or repair for subcomponents is conducted in-house and elements G, H, K L and M were provided during the qualification of the assembly.
- QWC4: A source qualified to provide earlier dash numbers of a basic P/N may be qualified to provide other dash numbers of that same basic P/N, provided there is no increase in complexity, criticality, or other relevant requirements.
- QWC5: Supplier shall submit SAR CAT II or III.
- QWC6: A source previously qualified to provide an item, but which has been purchased, sold, merged, absorbed, reformed, split, etc., may qualify if it can be established that the qualification is currently with the requester and that the requester has the same or equivalent facilities, tooling, equipment, personnel, and utilizes the original forging, castings, etc., in the process. **NOVATION LETTER IS REQUIRED.**
- QWC7: Other. Needs to be adapted based on the situation. This waiver has been used for OEM moving to a new facility. The ESA will adjust the elements required.
- QWC8: Manufacturer. A source qualified to manufacture an item, seeking repair qualification may qualify if it can be established that PS has the same or equivalent facilities, tooling, equipment, data and personnel and utilizes them for the repair of the item.



# SAR Waiver Data Requirements

## Repair



- Each Waiver must be accompanied with the required data.
- The data requirements are defined by the QR elements.
- The 815 is used to evaluate the data elements.

Element	Title	Qualification Waiver Criteria							
		1	2	3	4	6	7	8	
A	Cover Letter	■	■	■	■	■	■	■	
B	Technical Data Rights Certification Statement, if required	■	■	■	■	■	□	■	
C	Brochure & Correspondence (Tool List Only)	■	■	■	■	■	□	■	
D	Quality Assurance Documentation					■	□		
E	Subject Item Technical Data							■	
G	Sub-Tier Supplier (Sub-Vendor) Information (CSI Frozen )	■	■	■	■	■	□	■	
H	Quality History	■	■	■	■	■	□	■	
J	Similarities/Differences of Subject/Similar Items		■		■		□		
K	Purchase Orders & Shipping Documents	■	■	■	■	■	□	■	
L	Process/Operations Sheets & Travelers (Frozen for CSI)	■	■	■	■	■	■	■	
M	Inspection Method Sheets (IMS) (Frozen for CSI)	■	■	■	■	■	■	■	
N	Prime Contractor's Quality Rating System Report	■				■	□		
O	License Agreement, If Applicable	■	■	■	■	■	□	■	
Q	Government/Prime Contractor Surveys	■			■	■	□		
T	Master Tooling Certifications	■	■	■	■	■	□	■	
U	Government Quality Assurance Compliance	■	■	■	■	■	□	■	
AA	ESA/OEM Approval Letter	■	■	■	■	■	□	■	
AB	Novation Letter					■	□		



# SAR Data Requirements and Format



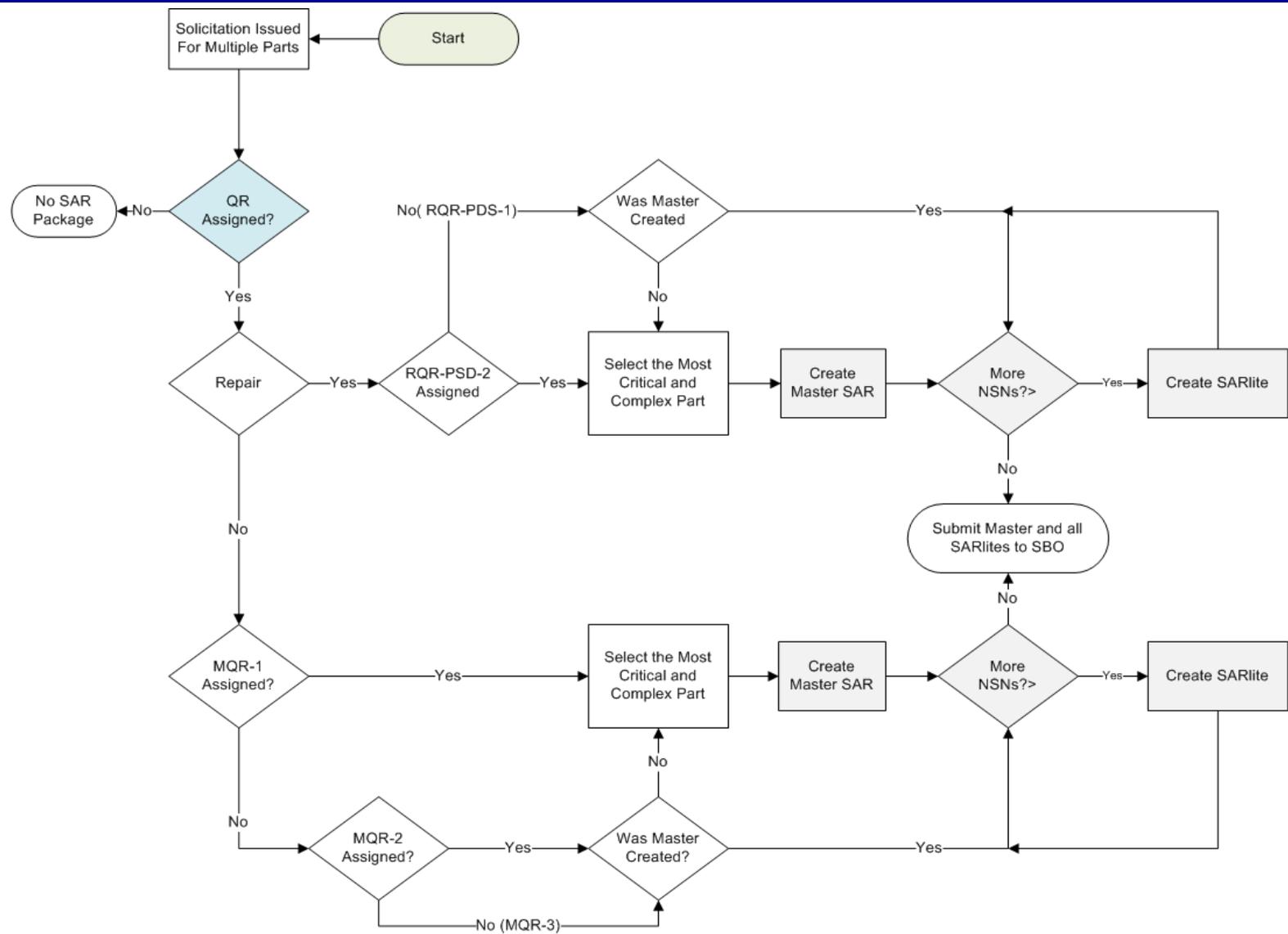
- Each Waiver must be accompanied with the required data based
- The data requirements are defined by the QR elements
- The 815 is used to evaluate the data elements.

ELEMENT	REQUIRED ELEMENTS	CAT-I		CAT-II		CAT-III		Remarks
		M	S	M	S	M	S	
A	COVER LETTER	■	■	■	■	■	■	
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT (CRITICAL)	■	□	■	□	■	□	Include all NSN and PN
C	BROCHURE & CORRESPONDENCE	■	□	■	□	■	□	Submit the complete tool list
D	QUALITY ASSURANCE DOCUMENTATION *Site Survey Meets Requirement	■	□	■	□	■	□	Only submit once for all the SARs
E	SUBJECT ITEM TECHNICAL DATA	■	□	■	□	■	□	For all NSN and PN
F	SUBJECT ITEM SPECIFICATIONS	■	□	■	□	■	□	For all NSN and PN
G	SUB-TIER SUPPLIER LIST (FROZEN FOR CSI)	■	■	■	■	■	■	
H	QUALITY HISTORY	■	□	■	□	■	□	Include all NSN and PN
I	SIMILAR ITEM TECHNICAL DATA	□	□	■	■	□	□	
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS	□	□	■	■	□	□	
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■	■	■	■	
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS) (FROZEN FOR CSI)	■	■	■	■	■	■	
M	MANUFACTURE PROCESS SHEETS AND/OR INSPECTION METHOD SHEETS (IMS) (FROZEN FOR CSI)	■	■	■	■	■	■	
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	■	□	■	□	■	□	Only submit once for all the SARs
O	LICENSEE AGREEMENT (IF APPLICABLE)	■	□	■	□	■	□	Include all NSN and PN
P	VALUE ADDED (BY PRIME OR OEM)	■	□	■	□	■	□	For all NSN and PN. Only submit once for all the SARs
Q	GOVERNMENT / PRIME CONTRACTOR SURVEYS	■	□	■	□	■	□	Submit once per CAGE
T	MASTER TOOLING CERTIFICATIONS	■	■	■	■	■	■	
U	GOVERNMENT QUALITY ASSURANCE COMPLIANCE	■	□	■	□	■	□	Include all NSN and PN

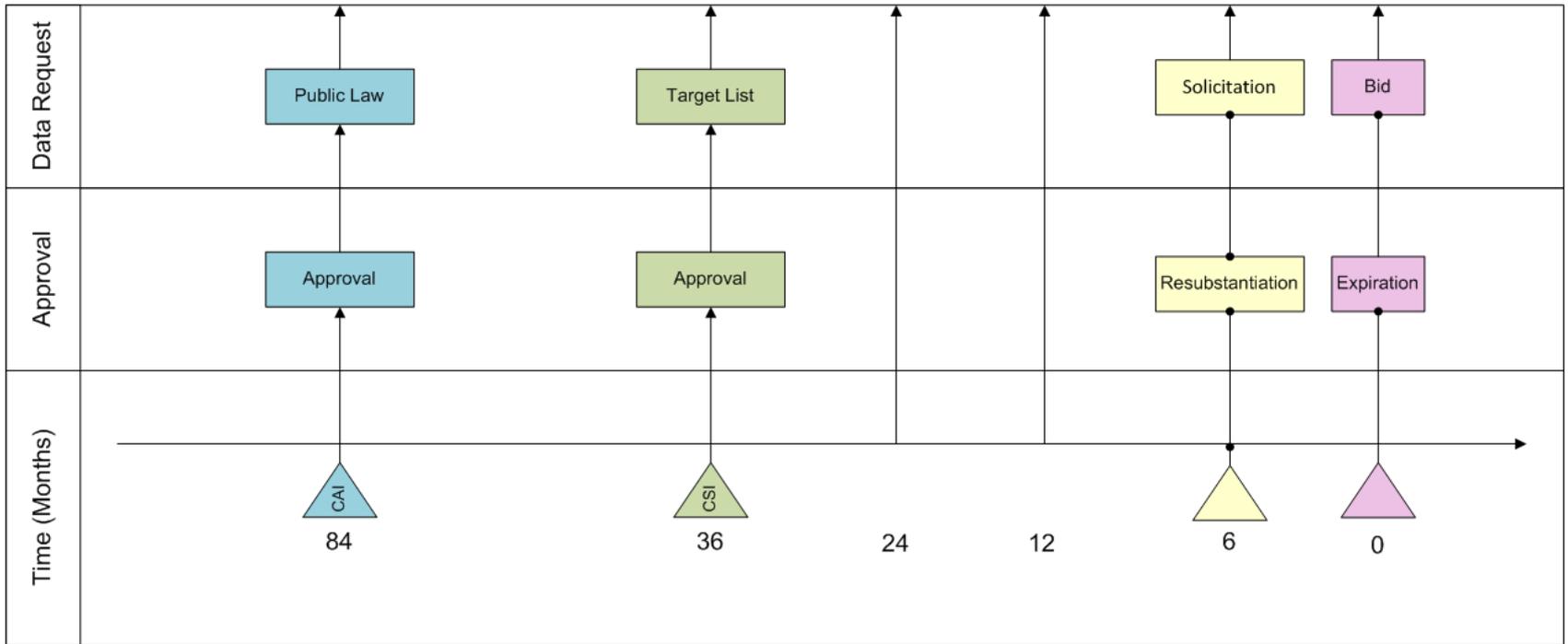


# Alternate Source Process

## Master SAR and SARlites



# Timing



- Must manage the data request and the approvals based the item criticality



Ensure QR has  
been found.

.

Begin SAR  
Construction



# SAR Construction and Evaluation



SAR(s), WAIVER(s), OR RE-SUBSTANTIATION (s) packages

- 3 Ring binder or similar product
  - a table of contents and
  - 21 A-U element tabs for the MQRs
  - 26 A-Z element tabs for the RQRs .
  - Significantly reduces the ESA evaluation turn time
  - Reduces oversight or loss.
- Compact Disc (CD) in a .pdf file format.
  - single .pdf file with index to each element or a series of folders for each element.
- Third, Hybrid.
  - Combination of the physical paper and CD with .pdf files.
- Source Approval Request package should include
  - the qualification requirement call out order.
  - Quality Manual and supporting documentation
    - Compact Disc (CD) in .pdf file format.
      - All CDs should be scanned for viruses prior to inserting them in the GOV computer.
- Submitted to:
  - AFSC/SB
  - 3001 Staff Drive, Ste 1AG85A
  - Tinker AFB, OK 73145-3009.



The Offeror shall retain copy until the qualification is expired



# SAR Review Checklist

## LPS Form 815 20151230

(May be adapted to reflect needs)



# Tab A Cover Letter



**All**

- The cover letter should have the following data
  - Solicitation No. (if applicable), Contracting Officer POC (if applicable), Engine Type, Company Name, Company CAGE, Address, Company POC, Company Size (Large or Small), QR Identification, Technical Data Proprietary Status, NSNs, PNs, & Nomenclature, Type (Manufacture, Overhaul, Distributor (Manufacture), or Distributor (Overhaul)), SAR Submittal Category, ERRC code (if known), SAR Package Inventory (Binder/Paper, CDs, Electronic or Sample parts) and Disposition.
- State Technical SAR Briefing can be provided upon request.
- If Part & SAR Submitted, State that destruction of all material submitted is allowed or request the return of the SAR Package at the offeror's expense

A.-COVER LETTER (MINOR)		Yes	No	N/A
1. Does the cover letter have the data required by the Qualification Requirement?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the cover letter match the data presented in the package?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the Offeror willing to provide a technical briefing?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the Offeror?	an <input type="checkbox"/> actual manufacturer/repairer (Go to B.) Or <input type="checkbox"/> dealer/distributor (Go to 4.)			
5. If submitter is a dealer/distributor, does the SAR package include a letter from the actual manufacturer/repairer authorizing the submitter as a distributor?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):				
<p>-----</p> <p><input type="checkbox"/> Element IV.A.1. Cover Letter did not have the required data or did not meet the QR Format.</p> <p><input type="checkbox"/> Element IV.A.4. (Yes) Submitter is an authorized distributor for approved source on 761/762.</p> <p><input type="checkbox"/> Element IV.A.4. (No) Submitter has not established an authorized distributorship and should not be approved as an actual manufacture or repair source.</p> <p><input type="checkbox"/> Element IV.A.1. Copy of the Cover Letter.</p> <p><input type="checkbox"/> Element IV.A.4. Copy of the Authorization Letter for Distributorship.</p>				



# Tab B Technical Data Right Statement



- The PS must provide a certification of rights to use technical data in the format provided in Appendix A, signed on company letterhead by an authorized binding company official on company letterhead.
- The certificate states the data was obtained by legal means and the company has the rights to use the data supplied in the SAR for manufacture/overhaul purposes.
- **NOTE:** This also applies to Government Limited Data
- See QR Appendix A

**All**

**No Believe**

### TECHNICAL DATA RIGHTS CERTIFICATION LETTER Example

*I am an officer and employee of the above name legal entity with the responsibility for investigating the facts upon which this certification is made. To the best of my knowledge and information obtained from my recent investigation:*

I certify that the technical data submitted as a part of my company's request for approval as potential source for the purpose of obtaining a contract were obtained by legal means by my company, without breach of any contractual or confidential relations pertaining to said technical data by my company, its current or recent employees; and

I certify that my company, its current or recent employees did not obtain or receive any technical data marked with a company's proprietary rights legend or a Government limited rights legend from any U.S. Governments agency or employee or other third parties that were used in the preparation of or were incorporated into the request for approval or its supporting technical data other than as described herein; and

I certify that my company has the legal right to use said technical data to manufacture the below identified part for the United States Government. To the extent that said technical data are marked with a company's proprietary rights or a Government limited rights legend or are otherwise believed to be or have in the past been the proprietary data of another company, the following documents which are attached hereto and made a part of the certification have formed the basis for claiming legal right to use said technical data. Such documentation must clearly cover the data necessary for source approval.

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER THE TITLE 18, UNITED STATES CODE, SECTION 1001.

THIS CERTIFICATION APPLIES TO:  
NSN \_\_\_\_\_ P/N \_\_\_\_\_

**Note:** If SAR package is for multiple NSNs, all NSNs, Part Numbers, Nouns must be listed. The list can be attached to the letter.

(signature) \_\_\_\_\_ (date) \_\_\_\_\_  
(typed or printed name & title)

**This document must be signed by the Company President or Owner.**

B. - TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT (TDRCS) (MAJOR) -			
Technical Data includes Drawings, Technical Orders and Technical Manuals.			
	Yes	No	N/A
1. "Does the TDRCS content match the QR content?"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. "Did the Offeror legally obtain the Technical Data?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Does the Offeror legally have the rights to use the Technical Data?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. "Was the TDRCS signed by an authorized binding company official?"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.B.1. "TDRCS did not match the QR Format. Request TDRCS that complies with format." <input type="checkbox"/> Element IV.B.1. "Copy of the TDRCS"			



# Tab C Company Brochure



- Provide Company Brochure or Website
- Synopsis outlining the applicant's
  - Process Capabilities
  - Facilities
    - Location
    - Number of buildings
    - Square Footage
  - Experience
  - **Equipment List**
    - **Outline Equipment Accuracy, Size, Capability and Precision**

C.-SUPPLIER'S BROCHURE & CORRESPONDENCE (MINOR)		Yes	No	N/A
1. "Does the Offeror have an equipment list?"		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "Does the equipment list show the accuracy, size, capability and precision?"		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Does the Offeror have the facilities for the necessary processes?"		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. "Does the Offeror provide a website?"		<input checked="" type="checkbox"/> Go to 3.	<input checked="" type="checkbox"/> Go to 5.	<input type="checkbox"/>
5. "Website:"	ooooo			
6. "Are there any special concerns to be noted?"		<input checked="" type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):				
O Element IV.C.1. "Copy of the Equipment List"				



# Tab D Quality Assurance



- If a Site Survey (SS) was conducted by the DoD in the last 36 months, provide a copy of the SS and the Certifications
  - may be retained
- Provide Company's QM Manual & all Subordinate Supporting Documentation.
  - AS 9100, ISO 9001:2008 or equivalent
  - OEM, GOV, NADCAP or Third Party process Certification(s)
  - NDI Level III and Other Professional Certification
- Format: Electronic (PDF) or Paper

D. QUALITY ASSURANCE DOCUMENTATION (MAJOR) - CRITICAL SAFETY ITEM ¶ (Data may be found in SAR Package Tabs Q, R, U.) - CRITICAL APPLICATION ITEM ¶		Yes¶	No¶	N/A¶
1. Has a DoD conducted a Site Survey (SS) within the past 3 Years for CSI or 7 years for CAI?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. DoD SS No.:	*****	Date: *****		
3. Is the SS Approval Letter current?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Has another Service conducted a SS within the past 3 Years for CSI or 7 years for CAI?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Which Service?	*****	Reference No.?	*****	Date: *****
6. Has a Prime/OEM conducted a SS within the past 3 Years for CSI or 7 years for CAI?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Prime/OEM Name?	*****	Audit No.?	*****	Date: *****
8. Is a copy of the SS included? (If No, mark 9-11 as N/A)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Did the Prime/OEM note any findings?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Was the corrective action (CA) effective?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Are Prime SS results acceptable?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Has a follow up Survey or Pre-Award Survey been conducted?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Is the Offeror's Quality Assurance Manual (QAM) provided?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. QAM TITLE: *****	Rev: *****	Date: *****		
15. Is all QAM referenced documentation (Offeror procedures, etc.) included?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Identify location where each item below is described. (list paragraph or section below)				
a. Personnel training?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Personnel certification?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Equipment maintenance?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Equipment calibration?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Material control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Tooling control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Technical Data control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Sub-Tier Supplier control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Traveler development and control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. POS development and control?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Stamp control and personnel accountability?	→ *****	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Does the Offeror hold any of the following High Level Quality Standard Certifications?	<input type="checkbox"/> AS 9100C, <input type="checkbox"/> ISO 9001:2008, <input type="checkbox"/> ANSI/ASQ E4, <input type="checkbox"/> NATO AQAP-2070, <input type="checkbox"/> NADCAP, <input type="checkbox"/> ISO/IEC 17025			
a. ISO/AS Certificate:	→ *****	→	Exp. Date:	*****
b1. NADCAP Certificate:	→ *****	Process: *****	→	Exp. Date: *****
b2. NADCAP Certificate:	→ *****	Process: *****	→	Exp. Date: *****
b3. NADCAP Certificate:	→ *****	Process: *****	→	Exp. Date: *****
b4. NADCAP Certificate:	→ *****	Process: *****	→	Exp. Date: *****
c. ISO/IEC 17025 Certificate:	→ *****	→	Exp. Date:	*****
NOTES & COMMENTS (N&C):				
<input type="checkbox"/> Element IV.D.1. (No) DoD Site Survey was not provided, determine if required. If required notify SAR Evaluation Team to send Self-Assessment Checklist to Potential Source. ¶ <input type="checkbox"/> Recommended ¶ ○ Element IV.D.3. Copy of the Site Survey or Approval Letter. ¶ ○ Element IV.D.13. Copy of the High Level Quality Standard Certification. (i.e. ISO 9001, AS 9100, etc.) ¶				



# Tab E Subject Drawings/Tech Data

## Part 1: Manufacturing



- Provide a DD Form 2345
- Provide a Technical Data List (EDL)
- For Manufacture, Provide all Drawings (Complete and Readable) (First Page of the Government Provided Documents)
  - Inspection and Inspection Intervals
  - Manufacture or Alternate (if applicable)
  - Must cover the Measurement Units
  - Assemble and Test (if applicable)
- For Proprietary Technical Data.
  - If proprietary data can be submitted, provide EDL and the latest legible revision of all technical data
  - If proprietary data cannot be provided,
    - submit licensing agreement or ownership statement
    - a statement declaring that the data cannot be submitted and that the licensing agreement or ownership statement ensures the most current data will be used to perform the required work,
    - a copy of the title page.
      - The images may be redacted to only reveal the technical data number, title, revision and proprietary statement.

E. SUBJECT-ITEM DRAWINGS: (MAJOR)	→	◇ CAT I	◇ CAT II	Yes	No	N/A
1. Subject Item Drawings (Manufacturing QR Only)						
a. Drawing Package						
1) Is this a Manufacturing SAR?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is DD Form 2345 with valid expiration date included?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is a current Engineering Data List (EDL) included?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
◇ EDL Available: N/A if 761 EDL Req block is marked No.						
4) Are all drawings legible? (If No, list drawings/sheets/frames required in N&C)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Are the drawings for the latest revision? (Check JEDMICS for comparison)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Are all drawings sheets/frames included?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Are all forgings and/or casting drawings included?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Are any drawings marked "SOURCE CONTROLLED"?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Are any drawings marked "SPECIFICATION CONTROL"?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Raw Material						
Does the Subject Item drawing or Technical Data identify raw or spare materials?						
If Yes, List Raw Material (Specification Number, Title and Revision) in N&C						
c. Item Dimensions						
Are there any critical dimensions marked on the drawing? (If Yes, list in N&C)						
d. Special Tooling (ST): Ensure the 761 ST/STE Required Block matches answer d.1.						
1) Is there any ST required?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Are ST drawings available?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is the ST available to the proposed Offeror?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Is the ST owned by the proposed Offeror?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Does the proposed Offeror have use rights for the ST from the Prime?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Will the proposed Offeror build ST?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Proprietary Data						
1) Does the SAR package contain proprietary data statements or markings? (If Yes, list in N&C and Activate notification.)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is a proprietary data owner statement provided that authorizes use of the data?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
***This is a non-technical issue which the ESA will resolve before contract award. (See Element B.)						
NOTES & COMMENTS (N&C)						
Element IV.E.1.b. Enter Raw Material: *****						
Additional Comments: *****						
<input type="checkbox"/> Element IV.E.1.a.3. Engineering Data Listing (EDL) was not included in SAR Package.						
<input type="checkbox"/> Element IV.E.1.e.1. Proprietary data was found. License agreement must be maintained and cited in approval letter.						
<input type="checkbox"/> Element IV.E.1.a.2. Copy of DD Form 2345 if provided.						
<input type="checkbox"/> Element IV.E.1.e.2. Copy of proprietary data owner statement.						



# Tab E Subject Drawings/Tech Data

## Part 2: Repair



- Provide a DD Form 2345
- Provide a Technical Data List (RDL)
- For Repair, provide all Technical Data (First Page of the Documents) to be used
  - Inspection and Inspection Intervals
  - Repair or Alternate (if applicable)
  - Assemble and Test (if applicable)
- For Proprietary Technical Data.
  - If proprietary data can be submitted, provide RDL and the latest legible revision of all technical data
  - If proprietary data cannot be provided,
    - submit licensing agreement or ownership statement
    - a statement declaring that the data cannot be submitted and that the licensing agreement or ownership statement ensures the most current data will be used to perform the required work,
    - a copy of the title page.
      - The images may be redacted to only reveal the technical data number, title, revision and proprietary statement.

E. SUBJECT-ITEM TECHNICAL DATA: (MAJOR)	CAT I	CAT II	Yes	No	N/A
2. Technical Data (Repair QR Only)					
a. Technical Data Review:					
1) Is this a Repair SAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is DD Form 2345 with valid expiration date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is current Repair Data List (RDL) included? ↳ RDL Available, N/A if on or N/A if 762 Block 21 states No Data.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Is the first page of all Technical Data or Commercial Manual provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Are the first pages of the subordinated work package(s) provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Is the repair Technical Data the latest revision?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Is the Technical Data legible? (If No, list drawings/sheets/frames required in N&C)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Are all of the repair procedures included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Raw Material:					
Does the Technical Data identify raw or spare materials necessary to complete the repair? If Yes, List Raw Material (Specification Number, Title and Revision) in N&C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Item Dimensions:					
Are there any critical dimensions marked on the Technical Data? (If Yes, list in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Special Tooling (ST): Ensure the 762 line 19 ST/STE Required Block matches answer d.1.					
1) Is there any ST required?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Are ST drawings available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is the ST available to the proposed Offeror?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Is the ST owned by the proposed Offeror?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Does the proposed Offeror have use rights for the ST from the Prime?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Will the proposed Offeror build ST?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Proprietary Data:					
1) Does the SAR package contain proprietary data statements or markings? (If Yes, list in N&C and Activate notification.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is a proprietary data owner statement provided that authorizes use of the data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
**This is a non-technical issue which the ESA will resolve before contract award. (See Element B.)					
NOTES & COMMENTS (N&C):					
Element IV.E.2.b. Enter Raw Material: ##### Additional Comments: ##### ¶ □ Element IV.E.2.a.3. Repair Data Listing (RDL) was not included in SAR Package. ¶ □ Element IV.E.2.a.1. Proprietary data was found. License agreement must be maintained and cited in approval letter. ¶ ○ Element IV.E.2.a.2. Copy of DD Form 2345 if provided. ¶ ○ Element IV.E.2.a.2. Copy of proprietary data owner statement. ¶					



# Significant Industrial Processes

## QR Appendix B



- Certifications
  - Process Certification(s)
    - OEM,
    - GOV,
    - NADCAP
    - Third Party and
    - NDI Level III
    - Other Professional Certification

#	SIGNIFICANT INDUSTRIAL PROCESSES	NADCAP
1	Casting Processes	NA
2	Forging Processes	NA
3	Other Forming Processes	NA
4	Disassembly Procedures	NA
5	Blending/Reworking	NA
6	Heat Treatment and Surface Hardening Processes	7102
7	Brazing	7102
8	Chemical Processes: Chemical Cleaning, Anodizing, Conversion/Phosphate Coatings, Paint/Dry Film Coatings, Stripping, Chemical Milling, Surface Treatment/Passivation and Etching (Nital/Pre-Penetrant/Tempor/Macrostructure/Blue Etch Anodize)	7108
9	Metal Electroplating (Plating) Processes	7108
10	Coating Processes:	7109
	10a Plasma Spray	7109
	10b Wire Spray	7109
	10c HVOF	7109
	10d Diffusion Coatings	7109
11	Welding/Fusion	7110
12	Non-Destructive Inspections:	7114
	12a Visual Inspection	7130*
	12b Fluorescent Penetrant	7114
	12c Magnetic Particle	7114
	12d Eddy Current	7114
	12e Ultrasonic	7114
	12f Radiography	7114
	12g Laser Holography	NA
13	Electrochemical Machining Processes (Cavity Sinking, Drilling, Grinding, etc.)	7116
14	Electro-Discharge Machining	7116
15	Electro-Stream Drilling	7116
16	Laser Beam Metal Removal Processes	7116
17	Electron Beam Processes	7116
18	Blasting Processes:	7117
	18a Aluminum Oxide	7117
	18b Silicon Carbide	7117
	18c Plastic Bead	7117
	18d Glass Bead	7117
19	Peening Processes	7117
20	Soldering	7120
21	Broaching	7126
22	Grinding	7126
23	Drilling, Reaming and Boring	7126
24	Milling	7126
25	Finish Turning	7126
26	Surface Finishing Processes:	7126
	26a Honing	7126
	26b Sutton Barrel	7126
27	Dimensional Inspection/Tolerancing	NA
28	Water-Jet Stripping	NA
29	Assembly Procedures	NA



# Tab F Specifications



- For CAT I & III (Subject), provide a complete list of the applicable specifications identified on the subject item manufacture technical data and a copy of the title page of the latest revision of each specification.
- Provide Applicable Specifications Listing (Readable First Page)
  - Identified on the subject item technical data or drawings
  - Copy of the title page of the latest revision
- For CAT II, (Similar)
- Applicable Specifications Listing (Readable First Page)
  - Identified on the similar item technical data or drawings
  - Copy of the title page of the latest revision
- For Internal Specifications (Entire Copy)

F.-ITEM SPECIFICATIONS:(MAJOR)			
1. Subject Item:	Yes	No	N/A
a. Check all <input type="checkbox"/> NADCAP and <input type="checkbox"/> Non-NADCAP Processes referenced in Technical Data in table below.			
b. List all Subject Item specifications referenced in Technical Data in table below.			
c. Are all Prime/OEM/Commercial specifications (cover page only) included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Are all Non-Prime specifications in their entirety included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Are all applicable specifications for all sub-assemblies included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Are any processes controlled by specification or Technical Data? (If Yes, list below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Process</u> →	<u>Specification</u>	<u>Process</u> →	<u>Specification</u>
<input type="checkbox"/> Casting →	#####	<input type="checkbox"/> Chemical Milling →	#####
<input type="checkbox"/> Forging →	#####	<input type="checkbox"/> Electro-Discharge Machining →	#####
<input type="checkbox"/> Other Forming →	#####	<input type="checkbox"/> Electro-Stream Drilling →	#####
<input type="checkbox"/> Disassembly →	#####	<input type="checkbox"/> Laser Beam Metal Removal →	#####
<input type="checkbox"/> Chemical Processes →	#####	<input type="checkbox"/> Broaching →	#####
<input type="checkbox"/> Blasting		<input type="checkbox"/> Broaching/Reworking →	#####
<input type="checkbox"/> Aluminum Oxide →	#####	<input type="checkbox"/> Welding/Fusion →	#####
<input type="checkbox"/> Silicon Carbide →	#####	<input type="checkbox"/> Electron Beam →	#####
<input type="checkbox"/> Plastic Bead →	#####	<input type="checkbox"/> Brazing →	#####
<input type="checkbox"/> Glass Bead →	#####	<input type="checkbox"/> Soldering →	#####
<input type="checkbox"/> Water-Jet Stripping →	#####	<input type="checkbox"/> Heat Treatment & Surface Hardening →	#####
<input type="checkbox"/> Non-Destructive Inspections		<input type="checkbox"/> Metal Electroplating →	#####
<input type="checkbox"/> Visual →	#####	<input type="checkbox"/> Coating Processes	
<input type="checkbox"/> Fluorescent Penetrant →	#####	<input type="checkbox"/> Plasma Spray →	#####
<input type="checkbox"/> Magnetic Particle →	#####	<input type="checkbox"/> Wire →	#####
<input type="checkbox"/> Eddy Current →	#####	<input type="checkbox"/> HVOF →	#####
<input type="checkbox"/> Ultrasonic →	#####	<input type="checkbox"/> Diffusion Coatings →	#####
<input type="checkbox"/> Radiography →	#####	<input type="checkbox"/> Surface Finishing	
<input type="checkbox"/> Laser Holography →	#####	<input type="checkbox"/> Honing →	#####
<input type="checkbox"/> Grinding →	#####	<input type="checkbox"/> Suction Barrel →	#####
<input type="checkbox"/> Drilling, Reaming and Boring →	#####	<input type="checkbox"/> Peening →	#####
<input type="checkbox"/> Milling →	#####	<input type="checkbox"/> Dimensional Inspection/Tolerancing →	#####
<input type="checkbox"/> Finish Turning →	#####	<input type="checkbox"/> Assembly →	#####
<input type="checkbox"/> Electrochemical Machining			
... (Cavity Sinking, Drilling, Grinding, etc.) →	#####		
NOTES & COMMENTS (N&C):			
Additional Comments: #####			



# Tab G Sub-Tier Supplier (STS)



If No Sub-Tier suppliers are used, then a statement is provided that all work is performed in house. (Question 1)

- Sub-Tier Suppliers
  - Raw material (castings and forgings)
    - Currently approved by the OEM or ESA or
    - Provide a rationale proving to the ESA that the casting or forging source is capable of manufacturing the replacement part to the equivalent or better to OEM or ESA quality standards
  - Significant Processes Listed in Appendix B
    - Denoted as critical or non-critical
    - Names and addresses
    - State OEM, **NADCAP** or Government approved, if required
      - Submit official OEM, NADCAP or Government process certification
  - Non-OEM or government whole part STS
    - Submit complete SAR Package for the repair source
  - Assembly (Government Approval Required)

G. SUB-TIER SUPPLIER (STS) (SUB-VENDOR) INFORMATION: (MAJOR)			Yes	No	N/A		
1. Were Sub-Tier suppliers used for manufacture or repair?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. If STS are used for manufacture or repair, enter data below: (Select all that apply)			Certifications or Approval (Expiration Date)				
CAGE	STS Name	Specification/Process	Prime/OEM	DoD	NADCAP	AS9100	ISO 9001:2008
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
NOTES & COMMENTS (N&C):							
<input type="checkbox"/> Element IV.G.1. Copy of the Sub-Tier Suppliers List (Scan and upload separately)							



# Tab H Quality History



- State if there is no quality history, else
- Provide a summary of all deficiency experienced & MRB actions for past **36 months for all items**
  - P/N, Noun, Feature, Deficiency, Quantity, Date & Corrective Action History
- Provide a summary of (including but not limited to) internal deficiencies, commercial deficiencies, FAA Service Bulletins, MRB items, Quality Reports & scrap rates
- Provide **STS's Deficiency Report Summary for the ALL items for the past 36 months**
- Provide STS CAR, CAP and implementation schedules when applicable, on previous contracts

H.-QUALITY HISTORY:-( MAJOR)-	Yes	No	N/A
1. "Was a summary of Deficiency Reports for the CAGE provided for the past 36 months?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "Was a summary of Deficiency Reports for the STS provided for the past 36 months?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Was a summary of Deficiency Reports for the Similar Item provided?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. "Is a summary of other quality history provided?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. "Was corrective action for the deficiencies implemented? (If Yes, list corrective actions in N&C.)"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. "Have there been any major quality problems with item(s)? (If Yes, list in N&C)"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. "Evaluate summary of QA Deficiency Reports and note any concerns in N&C."			
NOTES & COMMENTS (N&C):			
<p>Element IV.H.1 &amp; 2 Copy of the Deficiency Report History for all items.</p>			



# Tab I Similar Tech Data & Drawings For Category II SARs Only



- (Same Part Number as Element E)
  - Provide all technical data or drawings required
    - Inspect and inspection intervals
    - Manufacture or Repair
    - Assembly
    - Test

<b>I.-SIMILAR ITEM DRAWINGS OR TECHNICAL DATA: (CAT II) (MAJOR)</b>			
	◆◆ If On, Go to K		
1. Drawing Packages:	Yes	No	N/A
a. Is this a Manufacturing SAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/> <small>Go to 2</small>	<input type="checkbox"/>
b. Is a current EDL included? (EDL Available, N/A if 761 EDL Req block is marked No)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Are all drawings legible? (If No, list drawings/sheets/frames required in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Are the drawings the latest revision? (If available, check JEDMICS for comparison)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Are all drawings sheets/frames included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Are all forgings and/or casting drawing included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Are any drawings marked "SOURCE CONTROLLED"? (If Yes, list in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Are any drawings marked "SPECIFICATION CONTROL"? (If Yes, list in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Repair Technical Data Package:			
a. Is this a Repair SAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/> <small>Go to 3</small>	<input type="checkbox"/>
b. Is a current RDL included? (RDL Available, N/A if 762 Block 21 states No Data)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Is the first page of all Technical Data or Commercial Manual provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Are the first pages of the subordinated work package(s) provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Is the repair Technical Data the latest revision?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Are all of the repair procedures included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Raw Material:			
Does the Similar Item drawing or Technical Data identify raw materials? (If Yes, List Raw Material (Specification Number, Title and Revision) in N&C)	<input checked="" type="checkbox"/> <small>N&amp;C</small>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
Element IV.I.3. Enter Raw Material: <input type="text"/>			
Additional Comments: <input type="text"/>			



# Tab J Comparison Chart

## For Category II SARs Only



- Provide Comparison Charts
  - Materials (Specification & Coatings)
  - Design (Size & Dimensional Tolerancing)
  - Industrial Processes and
  - Operating Environment
- The preferred method is a comparison matrix

J. SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS: (CAT-II) (MAJOR) <input type="checkbox"/> <input type="checkbox"/> If On, Go to K.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
At least one Similar Item(s) must comply with question 1 thru 9 below. (If No, explain in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. "Are the items similar in size/shape?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "Are the items made of the same material? (Compare data from Element E. & I.)"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Do the items have similar functions?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. "Do the items operate in similar environments?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. "Do the items require similar Inspection processes?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. "Do the items require similar Manufacturing/ROMM processes?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. "Is the Similar item(s) surface finish equal to or better than the finishes of the Subject Item?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. "Are Similar item(s) Drawings or Technical Data tolerances equal to or tighter than the tolerance requirements for the Subject Item?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. "Does the Similar Item have any extra processes that the Subject Item does not have?"	<input type="checkbox"/> <small>Activates</small>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C): ¶			
<input type="checkbox"/> Element IV.J.9. The Similar Item has extra processes that need to be evaluated by Engineering for possible inclusion into the subject or other repair Technical Data. ¶ <input type="checkbox"/> Element IV.J.1-6. Copy of the Similarities Matrix if provided.			



# Tab K Purchase Order & Shipping

## Same as Element L and M



- If the product or repair has never been provided, state it
- Provide at least one purchase order (PO)
  - Within 36 months for CSI and 84 months for CAI for item(s) submitted
  - **Remove financial \$\$ information and Circle dates**
  - Provide any contract amendments from the commercial customer(s) (CC)
  - Cat I or II, Provide PO from the Prime, OEM, Gov't, Foreign Gov't, or CC
  - Cat III, provide at least one PO & Shipping documents (if applicable)
    - **If you have never provided the item or the repair to any customer, identify this in the SAR package.**
    - Commercial customers or OEM sales Shipping documents should account for all contracted items
  - If a contract was terminated, state the termination reason(s)
  - The PO should match the part number in the contract(s) list in Element L and M

<b>K. PURCHASE ORDERS &amp; SHIPPING DOCUMENTS (MAJOR)</b> (CAT-III N/A if On)	Yes	No	N/A
1. Was all financial data removed from documents provided in SAR Package? → <input type="checkbox"/> <b>\$\$\$</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <b>Activate</b>	<input type="checkbox"/>
2. Was a complete copy of the Purchase Order (PO) and latest amendment provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Was the PO completed within the last 36 months for CSIs or 84 months for CAIs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Was a copy of Shipping Documents provided? → Date: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Was the item shipped to a Prime contractor, OEM, Government, or Commercial Customer?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Was the order completed and not terminated?	<input type="checkbox"/>	<input checked="" type="checkbox"/> <b>N&amp;C</b>	<input type="checkbox"/>
7. Is the part on the PO the same as the part that was shipped?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.K.1. Financial Data was observed. SB and/or DLA should remove financial data prior to passing to Engineering. <input type="checkbox"/> Element IV.K.2. Copy of the Purchase Order (PO) for all items with the Date and NSN (if purchased by Government).			



# Tab L Process Operation Sheets(POS) & Traveler

Same as Element K and M



- Provide Actual Supplier's complete detailed step-by-step procedural account (Travelers)
  - NAME and CAGE on Top of Each Page
  - For All Part Numbers Processes
  - Proper processing sequence
  - Operation No., description, tolerance (specification), location, STSs, software data file name, etc.
  - Requiring in-process operator or inspector buy off and documentation of the actual measures
- Provide detailed proposed/actual op sheets for Traveler(s) process that require them

L. TRAVELERS & PROCESS/OPERATION SHEETS (POS) - (MAJOR) ✖	Yes ✖	No ✖	N/A ✖
1. "Does the traveler clearly document the Subject Item process flow?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "Are all POS included? (Travelers or Routers alone are NOT sufficient)" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Are the POS(s) complete?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. "Do POS dimensions comply with drawing dimensions?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. "Were the POS and/or travelers written by proposed Offeror?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. "Are the proposed Offeror's name and CAGE on top of every page?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. "Are STS identified by name and CAGE in each applicable operation?" → STS-USED <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. "Do STS steps clearly identify process or procedure?" → STS-USED <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. "Do POS give detailed dimensions, callout specific drawing references and/or include operation sketches as called out?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. "Are the operations detailed and in the proper sequence?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. "For assemblies: ✖			
1) "Are the sub-components included in the SAR Package?" ✖	<input type="checkbox"/>	<input checked="" type="checkbox"/> Go to E ✖	<input type="checkbox"/>
2) "Are sub-component or SPADS STS identified?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. "For CAT II, are proposed Subject Item POS included? (Applicable if CAT II Diamond is on)." ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. "Does the proposed Offeror control the special processes required of the item?" ✖	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C): ¶			
===== O "Element IV.L.1. "Copy of the first page of travelers (Scan and upload separately)" ✖			

Frozen for All CSI



# Tab M Repair Process Sheet (RPS) & Inspection Method Sheets (IMS)



- Provide the RPS & IMS for all parts submitted
  - Nomenclature, part number, characteristics inspected, special instructions, zone, tolerances and actual measurements, inspection tooling/method, frequency and inspector's stamp
- Category II, provide the completed RPS and IMS with the data for the similar item(s).
- RPS and IMS may be included as an integral part of the POS/OP sheets in Element L
- The data for the same items provided in SAR Elements K & L

M.-INSPECTION METHOD SHEETS (IMS): (MAJOR)	Yes	No	N/A
1. Are complete IMS included? (If No, explain any concerns in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the part on the IMS the same as the part that was shipped in Element K?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Are the IMS detailed and in the proper sequence?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do IMS dimensions match drawing or Technical Data dimensions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Can actual measurements be recorded next to drawing or Technical Data dimensions on the IMS? (If No, list findings in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Does the IMS call out the units of measure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Are units of measure on the IMS the same as on the drawing or Technical Data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Does the Offeror adequately document inspections on the IMS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Are the proposed Offeror's name and CAGE on top of every page?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Production Statistical Process Control (SPC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Does the Offeror use 100% inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Does the Offeror provide a SPC plan/schedule for the subject item? (If Yes, Activate notification in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Is the SPC plan/ESA approved? (If No, explain in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.M.9.c. SPC Plan/Schedule has not been approved, determine if allowed. If approved, SPC plan/schedule and any required actions must be included in the approval letter. <input type="checkbox"/> Approval Recommended <input type="checkbox"/> Element IV.M.1. Copy of the IMS for all items. <input type="checkbox"/> Element IV.M.9.b. Copy of the SPC Plan/Schedule.			

Frozen for All CSI



# Tab N Quality Rating System Report



- If no quality rating is available, state as such
- If no rating from the subject part prime contractor/OEM is available, alternate quality ratings from another prime contractor and/or OEM should be submitted.
- Provide the proposing offeror's prime contractor or OEM quality system report or rating for the item submitted

N.-PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT: (MINOR)	Yes	No	N/A
1. "Was a Prime/OEM Quality Rating provided? (If No, explain any concerns in N&C.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. "Is the submitted Quality Rating from the past 12 months? (If Yes, provide Prime/OEM Name, Score & Date below.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. "Name: " → Score: "	Date: "		
4. "Is the rating satisfactory?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. "Does the rating show any negative trends? (If Yes, explain any concerns in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p align="center">NOTES &amp; COMMENTS (N&amp;C):</p> <p>Reference Only: For GE Parts, Rating Report may be found by the submitter: <a href="https://www2.supplychainwebcenter.com/sprofile/#w/jsp/appcont.jsp">https://www2.supplychainwebcenter.com/sprofile/#w/jsp/appcont.jsp</a></p>			



# Tab O Licensee Agreement

## For Proprietary Data Only



- A Licensee Agreement (LA)
- Supplier should ensure the LA allows for the data to be used for USAF qualification
- Provide copy of LA between the proposed contractor and data rights holder for all parts affected
- If a copy of LA cannot be provided, provide a statement summarizing the LA and if it is required to perform the processes
  - At a minimum provide, a redacted portion of LA showing the details of MRB activity, data rights, configuration control, source control, etc.

O. LICENSE AGREEMENT (LA): (MAJOR) -	Proprietary Data <input type="checkbox"/> <input type="checkbox"/>	Yes	No	N/A
1. Was a Licensee (Offeror's) LA referenced as a basis for approval? (If Yes, requires reference of LA on Approval letter)		<input type="checkbox"/>	<input checked="" type="checkbox"/> <b>Go to P.</b>	<input type="checkbox"/>
2. Will the Prime/OEM retain configuration control of the item?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the LA describe the Prime/OEM technical support that will be provided?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the Licensee required to purchase only from Prime/OEM approved Suppliers?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Will the Prime/OEM provide support in case of a mishap involving a licensed item?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the Prime/OEM required to approve Class I ECPs and major deviations/waivers?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the Prime/OEM required to approve Class II ECPs and minor deviations/waivers?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Does the Licensee Agreement delegate MRB authority? (If Yes, provide details in N&C)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):				
O. Element IV.O.1. Copy of the Offeror's LA Statement (Approval letter must cite the LA).				

# For Proprietary Data Only



# Tab P Prime/OEM Value Added



- Provide Statement Identifying any value added provided by the Prime/OEM for item(s)
- Value added is considered any action, repair or inspection process, data, instructions, or equipment that is essential to the repair of the item, but is not documented in the data package
  - Sub-Tier suppliers qualification of significant required processes for item

P.-VALUE ADDED (BY PRIME OR OEM): (MINOR)	Yes	No	N/A
1. "Did the Offeror provide an OEM value added statement?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "Did the Offeror list any value added that the prime or OEM provides?" (Explain any concerns in N&C).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
<div style="border: 1px solid black; padding: 5px;"> <p>Element IV.P.1. "Copy of the Value Added Statement"</p> </div>			



# Tab Q Gov't/Prime Site Surveys

- If none, state as such
- Provide a copy of the latest Site Survey, Audit report or Acceptance Letter for the past seven years
  - Performed by a DoD, government agency, OEM or NADCAP
  - Survey Report (survey, findings, and corrective actions)
  - Technical evaluations of the offeror's capability, quality assurance procedures, industrial resources, material purchasing, and Sub-Tier supplier controls

**Evaluated in Element D**

Q. -GOVERNMENT / PRIME CONTRACTOR SURVEYS: (See Element D.) → Left Intentionally Blank



# Tab U Govt Quality Assurance Compliance



- Provide a statement that the offeror will comply
  - With all government imposed quality assurance provisions for the subject item
  - Testing requirements, etc. as identified in the solicitation or contract
- Combined with Tab D

U. GOVERNMENT QUALITY ASSURANCE COMPLIANCE: (MAJOR)	Yes	No	N/A
1. Can the offeror comply with all quality assurance provisions and testing requirements as listed in the solicitation/contract? Explain any concerns below in N&C.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			



# Tab T Master Tooling Certification



- State if no master tooling or **calibration** is required
- Provide certification of access to and the right to use any required master tooling, special tooling/test equipment, Mylars (stable base drawings), glass layout and loft data/contour data required
- Provide proof of calibration for all equipment/tooling requiring it

**AMSC M MOSTLY**

T. MASTER TOOLING CERTIFICATIONS:- (MAJOR)	Yes	No	N/A
1. Is an equipment calibration schedule provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the calibration schedule include P/N, S/N, location and date of expiration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is any master tooling required?	<input checked="" type="checkbox"/> N&C	<input checked="" type="checkbox"/> Go to U	<input type="checkbox"/>
4. Does the Offeror possess or have access to the master tooling? (Explain any concerns in N&C.)	<input checked="" type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
<p>Element IV.T.1. Copy of the calibration schedule</p>			



# Submit Determination



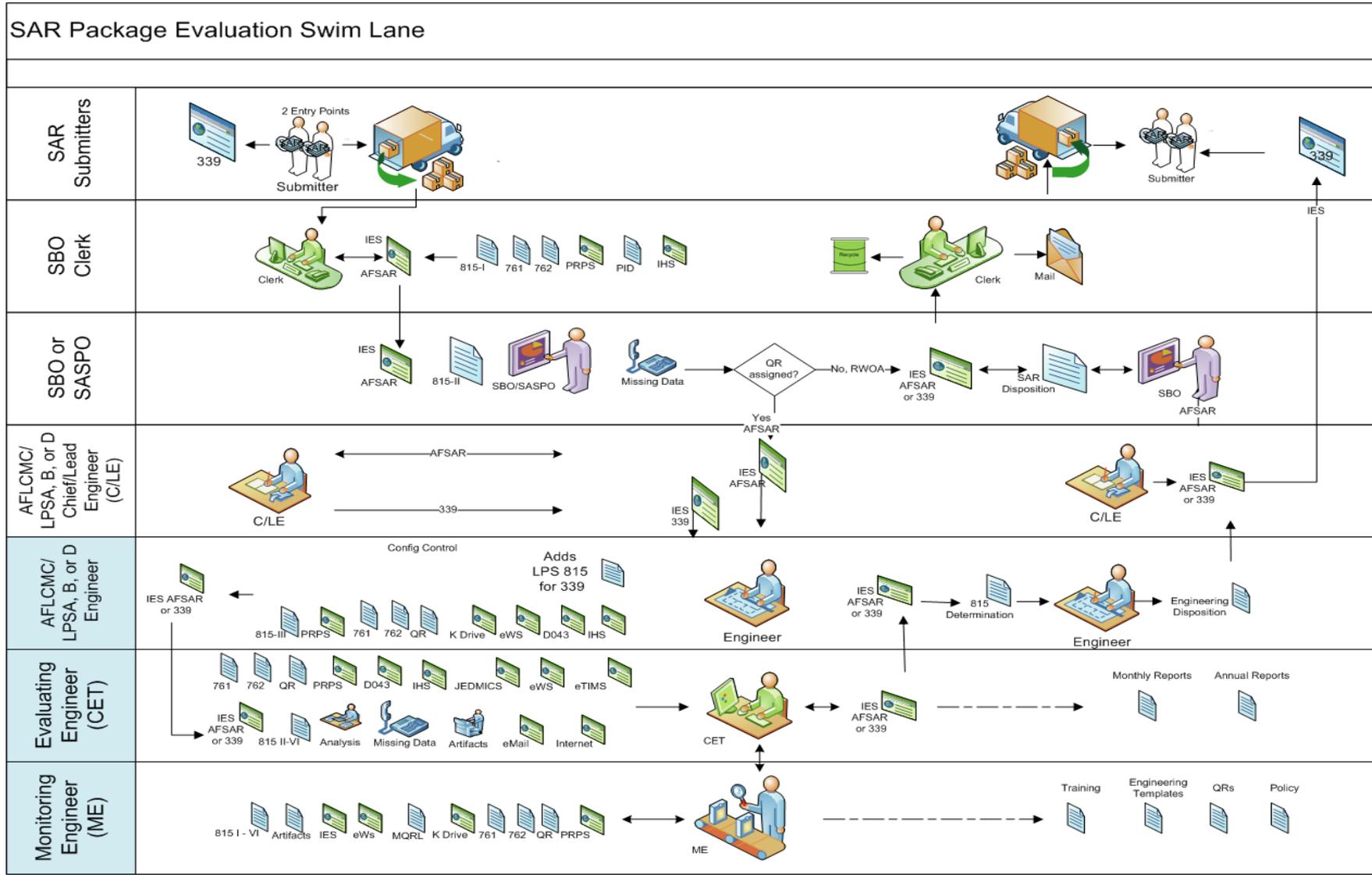
Ensure SAR was created to the QR, not AFMCI 23-113.

Check the SAR Completeness and Order.

Submit SAR



# SAR Evaluation Swim Lanes







# Non-Technical SAR Review



- Small Business Office (SBO) or Strategic Alternate Source Program Office (SASPO)
  - Ensures QR has been issued
  - Conducts NTR (Inventory Control)
  - Ensures that all required data is present (Quantitative)
  - Requests Missing data

## LPS 815 Element 2

II.A. AFMCI-23-113 SAR NON-TECHNICAL REVIEW						
Elements (Tabs)	SAIB N/A	N/A	CAT I	CAT II	CAT III	Missing Data
A. Cover Letter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Technical Data Rights Certification Statement (TDRCS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Supplier Brochure & Correspondence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Quality Assurance Documentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Subject & Alternate Item Drawings or Technical Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Item Specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Sub-Tier Supplier (Sub-Vendor) Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Quality History	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Similar Item Drawings or Technical Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Similarities/Differences of Subject/Similar Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Purchase Orders & Shipping Documents <input type="checkbox"/> \$\$\$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Travelers & Process/Operations Sheets (POS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M. Inspection Method Sheets (IMS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. Prime Contractor's Quality Rating System Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O. License Agreement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P. Value Added (By Prime or OEM)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q. Government/Prime Contractor Surveys	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T. Master Tooling Certifications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
U. Government Quality Assurance Compliance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disposition: Forward to Engineering for Evaluation? Forward if all CAT blocks are highlighted, else request missing data from submitter prior to forwarding to Engineering. Document all actions in N&C.					<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Enter Time in Element VII						
NOTES & COMMENTS (N&C): (Check All that Apply)						
<input type="checkbox"/> Element II.a. Missing Data has been requested from Submitter via Email or telephone and the data was not provided. <input type="checkbox"/> Element II.a. SAR Package must follow the established format; future failure will result in SARs returned without action. <input type="checkbox"/> Element II.a. Return Without Action, SAR format was not followed. <input type="checkbox"/> Element II.a. Financial Data was observed. SB and/or DLA should remove financial data prior to passing to Engineering.						

◇ Front Page Selection   ○ Required   □ Optional



# Non-Technical Waiver Review



- Small Business Office or Strategic Alternate Source Program Office
  - Ensures QR has been issued
  - Conducts NTR (Inventory Control)
  - Ensures that all required data is present (Quantitative)
  - Requests Missing data
  - Returns Package to Submitter or Forwards to Engineering

## LPS 815 Element 2

II.B. AFMCI-23-113 WAIVER REVIEW → CAT-I → CAT-II → Waiver									
Qualification Waiver Criteria (QWC): No waivers apply to RQR-PSD-2 phase 2 Source Demonstration. Elements required for QWC7 are determined on a case-by-case basis by the ESA based on Requirements.									
Elements (Tabs)	CSI	N/A	QWC1	QWC2	QWC3	QWC4	QWC6	QWC7/Other	Missing Data
A. Cover Letter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
B. Technical Data Rights Certification Statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
C. Supplier Brochure & Correspondence (Tooling List Only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
D. Quality Assurance Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
G. Sub-Tier Supplier (Sub-Vendor) Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
H. Quality History	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
J. Similarities/Differences of Subject/Similar Items	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
K. Purchase Orders & Shipping Documents <input type="checkbox"/> \$\$\$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
L. Process/Operations Sheets & Travelers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
M. Inspection Method Sheets (IMS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
N. Prime Contractor's Quality Rating System Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
O. License Agreement, If Applicable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Q. Government/Prime Contractor Surveys	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
T. Master Tooling Certifications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
U. Government Quality Assurance Compliance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
AA. ESA/OEM Approval Letter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
AB. Novation Letter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Waiver		CSI							
Disposition: Forward to Engineering for Evaluation? Forward if all QWC blocks are highlighted, else request missing data from submitter prior to forwarding to Engineering. Document all actions in N&C.								Yes <input type="checkbox"/>	No <input type="checkbox"/>
Enter Time in Element VII									
NOTES & COMMENTS (N&C): (Check All that Apply)									
<input type="checkbox"/> Element II.b. Missing Data has been requested from Submitter via Email or telephone and the data was not provided. <input type="checkbox"/> Element II.b. Waiver must follow the established format; future failure will result in waivers returned without action. <input type="checkbox"/> Element II.b. Return Without Action, Waiver format was not followed. <input type="checkbox"/> Element II.b. Financial Data was observed. SB and/or DLA should remove financial data prior to passing to Engineering. <input checked="" type="checkbox"/>									



# SAR Evaluation



## LPS 815 Element 4

- Guidance:
  - AFI 20-106
  - AFMCI 23-113
  - **LPS OI 23-113**
  - AFLCMC/LPS Form 815
- Based on AFMCI 23-113
- QR Determination
- Tailor LPS Form 815 to the QR
- Evaluation Elements 4
  - Tabs A-Z
  - Collect and Document Artifacts
  - Summary & Recommendations

IV.-SOURCE APPROVAL REQUEST (SAR) TECHNICAL EVALUATION: #						
SAR-EVALUATOR: #	#####	ORG: #	#####	PHONE: #	#####	Date: #####

Government Contract Engineers conduct the evaluations, if available, for the ESA .



# Missing Data Request



- Engineering
  - Completes SAR Evaluation
  - For Missing Data:
    - Complete List of all Elements
    - Sent to Submitter
    - 72 Hours to Reply
      - Provide the Data Requested
      - Provide A Firm Date
        - (No Extensions will be Given)



# Return without Action Letter Template



ESA will return the SAR based on:

- Waiver was issued and SAR are blocked up to two years
- No QR issued
- SAR does not follow QR
  - Submitter must resubmit
- Missing Data and Discrepancies were not Corrected



# Distributors/Dealers



- Three Categories:
  - New Distributor with Approved Sources
    - Require a Designation Letter from the Source
    - Require the ESA Approval Letter for the Source
  - New Distributor or Production Acceptance Holder (PAH) With New Source
    - Require a Designation Letter from the Source
    - Require the Complete SAR with the Source Data per the ESA Qualification Requirement
  - New Distributor or Production Acceptance Holder (PAH) submitting as the manufacture or repair source
    - Required the ESA to make a Distributor determination.
    - Return the SAR without action and with the following Recommendations
      - Submit a Designation Letter from the Source
      - Submit the Complete SAR with the Source Data per the ESA Qualification Requirement



# Distributor Determination Letter



- ESA will review the Important Manufacturing and Repair processes, determine if a larger % is sent to a STS.
  - If the Submitter only performs
    - Receiving;
    - Material Ordering;
    - QC;
    - And/or Packaging
  - Then the Submitter is Distributor
- Return SAR package without Action using the template letter
- Actual Source must submit to SBO
  - Completed SAR Package
  - Distributor Designation Letter on their Letter Head with any limitations or conditions.
- If approved, the Source is added to 761 or 762
- The Distributor will listed in the remarks section of 761 or 762 for any future procurement.



# Disapproval Letter



- Engineering (ESA) reviews the 815, which recommends disapproval based on
  - All Missing data
  - All Deficiencies
  - And Returns the SAR along with the Disapproval Letter



# Approval Letter



- ESA reviews the 815, which recommends approval because it complies with the requirements and has all the artifacts required in the QR.
- Create an approval Letter and listed any restrictions:
  - Licensing agreements
  - Statistical Control Plans
- The new Source will be added to 761 or 762



# Source Resubstantiation Request (SRR)



- CSI every 3 Years
- CAI every 7 Years
- Assembly SAR Packages
  - Master
  - SAR Lite Packages
  - Submitted Within 30 Days
- Artifacts Submitted
- Prime & OEM
  - Removed per AFI 20-106
  - Should not be removed based time limits.

Element	Source Resubstantiation Request (SRR)	MSRR	SRRL	Remarks
A.	Cover Letter	■	■	
B.	Technical Data Rights Certification Statement	■	□	Include all NSN and PN
C.	Brochure & Correspondence	■	□	
D.	Quality Assurance Documentation	■*	□	* Site Survey Meets Requirement
E.	Subject & Alternate Item Drawings or Technical Data	■	□	For all NSN and PN
F.	Item Specifications	■	□	For all NSN and PN
G.	Sub-Tier Supplier (Sub-Vendor) Information (Frozen for CSI)	■	■	
H.	Quality History (Entire Site and All Parts)	■	□	Include all NSN and PN
K.	Purchase Orders & Shipping Documents	■	■	
L.	Process/Operations Sheets & Travelers (Frozen for CSI)	■	■	
M.	Manufacture Process Sheets And/ Or Inspection Method Sheets (IMS) (Frozen for CSI)	■	■	
N.	Prime Contractor's Quality Rating System Report	■	□	
O.	Licensee Agreement	■	□	Include all NSN and PN
P.	Value Added (By Prime or OEM)	■	□	For all NSN and PN
Q.	Government/Prime Contractor Surveys	■	□	Per CAGE
T.	Master Tooling Certifications & Calibration	■	■	
U.	Government Quality Assurance Compliance	■	□	For all NSN and PN
<input type="checkbox"/> An element may have been covered in the MSRR by the overall statement, if not provide individual data or statements for the additional part number.				

Item(s) must have been produced within the Approval Period



LPS Form 810 20150320  
Self-Assessment or Site Survey Checklist  
(May be adapted to reflect needs)



# Self-Assessment (SA) Checklist



- Engineering

- LPSE & Contractor
- Comprehensive review of the Quality Management System and all supporting documents
  - 15 Page Checklist
- DOD Search
- Three phase Process
  - Submittal
  - Review & Resubmittal
  - CAR & CAR Management
- ESA Recommendation for Site Survey
- Same Checklist is used for Site Survey
- Based on the ASAM Checklist

### Self-Assessment Checklist

Manufacturing, Repair & Overhaul (R&O), and Quality Assurance (QA)

<b>DoD Site Survey Number:</b>	<b>START DATE:</b>	<b>COMPLETE DATE:</b>
DoD Site Survey Number = (CAGE Code) - (Lead Service AR/AF/NA/DC) - (month and last two digits of year) e.g. 81996-AF-0314.		
<b>DoD Self-Assessment Number:</b>	Date:	
DoD SA Number = (CAGE Code) - (Self-Assessment SA) - (month and last two digits of year) e.g. 81996-SA-0314.		
<b>INSTRUCTIONS:</b> This self-assessment is to serve as a guideline for the vendor site survey. All areas of the checklist should be completed with the complying evidence and corresponding artifacts. All artifacts should be placed in 3 ring binders with the corresponding tab identified in the checklist. All artifacts must be submitted with the completed checklist for evaluation. This report, when completed, will be used to determine future survey activity. Pages 1 and 2 and Item No. 1 are self-explanatory.		
<b>CHECKLIST ITEMS 2 THROUGH 5</b>		
<b>References and Artifacts:</b> List/identify where the requirement is established in the Contractor's Quality Manual, where it is detailed in the Contractor's Procedures, and what artifact demonstrates its implementation (if applicable). Write "N/A" in the block if the element is not applicable and "NR" if the element was not reviewed.		
<b>Dates:</b> When entering dates in the form use the following format. DD MMM YY		
<b>Art/Pass:</b> Fill in check box in Art Column if Artifact is provided. Pass Column is reserved for government use only.		
<b>Tab:</b> When identifying location of artifacts in the column labeled Tab, provide only the number of the corresponding tab in the 3 ring binders (i.e. 3.2.1, not Tab 3.2.1). Include the referenced section and paragraph of the Quality manual and Procedure along with the artifact that demonstrates its use/implementation. Include all three in the appropriate "Tab" in the binders.		

<b>COMPANY NAME:</b>		<b>COMPANY CAGE:</b>	
<b>ADDRESS:</b>		<b>PHONE:</b>	
<b>CONTRACT/SOLICITATION/ETC. NO.</b>	<b>PCO</b>	<b>NSN or PART NUMBER(S)</b>	
<b>COMPANY POINTS OF CONTACT</b>	<b>TITLE</b>	<b>E-MAIL</b>	

<b>GENERAL INFORMATION</b>			
<b>PRODUCTS OR SERVICES OFFERED</b>			
<b>TOTAL PLANT AREA SQUARE FEET</b>		<b>NO. OF BUILDINGS</b>	
<b>IS FACILITY OWNED OR LEASED?</b>			
<b>NO. OF PRODUCTION EMPLOYEES</b>		<b>NO. OF DESIGN ENGINEERS</b>	
<b>NO. OF PROCESS ENGINEERS</b>		<b>QUALITY ASSURANCE PERSONNEL</b>	
<b>OTHER PERSONNEL</b>			
<b>EDUCATION AND EXPERIENCE LEVEL (Average years)</b>			
<b>PRODUCTION</b>		<b>ENGINEERS</b>	<b>QUALITY</b>



# Site Survey (SS) Determination



- ESA Determination
  - Self-Assessment without Site Survey Approval
    - Email/Mail
    - Self Corrections are Reviewed
    - No additional Action Required
  - Site Survey 1-Day Review (Plant Verification)
    - 2 Person Site Visit
    - Overall Operation Review
  - Site Survey 3-Day Review (Full/36 Hours)
    - 2 Person Site Visit
    - Full Self-Assessment Checklist Validation
- Based on Self Assessment Results & DoD Search



# Corrective Action Request (CAR)

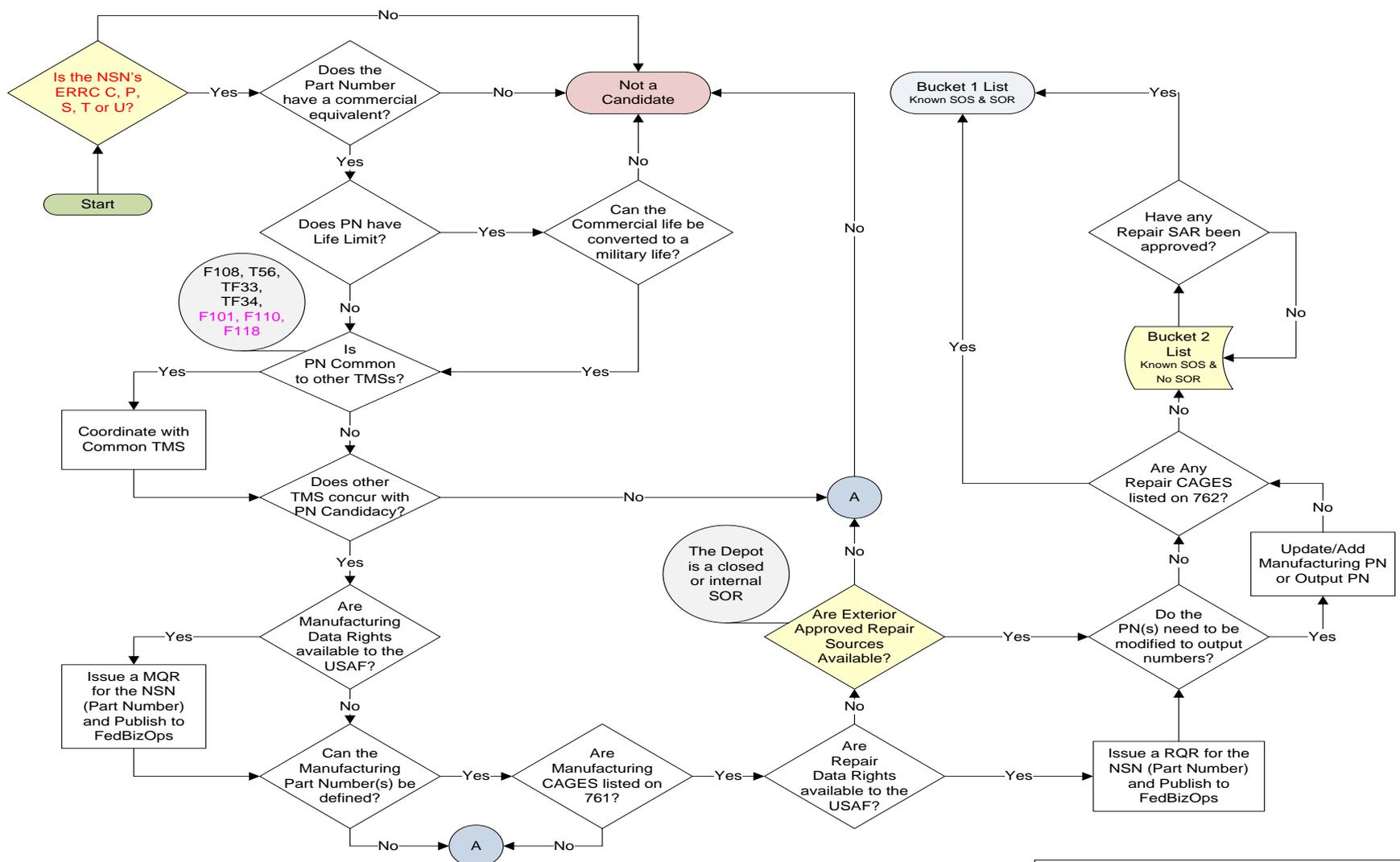


- Engineering
  - Completes Self-Assessment
  - 3 Phase Process
    - Submit
    - Evaluate
    - Track
  - Timeline must be monitored and maintained
    - Submitter must stay on implementation schedule
  - Site Survey may still be required

DEPARTMENT OF DEFENSE		
VENDOR SITE SURVEY REPORT		
Survey Finding Number: L6023-SA-0215-05		Classification - Minor
INSTRUCTIONS: This report form is to serve as a record of findings noted by Department of Defense (DoD) personnel conducting vendor Site surveys and may be used for follow-up of corrective actions. This form, when completed, will become a permanent record of the survey activity and will not normally be distributed to other non-DoD activities.		
Finding Number = (Survey Number) - (sequential number, beginning with 01) e.g. 81996-AR-0804-05.		
<b>Finding Classifications:</b>		
Critical - A nonconformance that negatively impacts a Critical Characteristic or that would result in hazardous or unsafe conditions for individuals using, maintaining or depending upon the supplies or services, or is likely to prevent performance of a major end item, or major part thereof.		
Major - A nonconformance, other than critical, that is likely to result in failure or to materially reduce the usability of the supplies or services for their intended purpose.		
Minor - A nonconformance that is not likely to materially reduce the usability of the supplies or services for their intended purpose, or operation of the supplies or services.		
Observation - A condition or circumstance which does not currently meet the aforementioned criteria, but holds the potential of causing a deficiency in the future, or a finding that could be of value for Quality improvement.		
Title: Variability Control Charts	Item No: 2.2.2.6	Date: 17 Apr 15
ITEM: Do records provide the degree of traceability required by the contract for verification of Variability Control Charts.		
FINDING: No procedure was provided for creation and maintenance of variability control charts of special processes.		
Auditor's Signature: Russell Beahm		Date: 17 Apr 15
Auditee's Signature: Paul Johnson, Director of Quality		Date: April 21, 2015
Corrective Action:		
MTU-C will implement the attached procedure IPV-ARC-04-13 to collect variability control information for functional tests of all components maintained for USAF. Example control charts for several product quality indicators of TCCV units are attached, showing process control limits and actual measurements.		
Corrective Action Submitted By: Paul Johnson, Director of Quality		Date: April 30, 2015
Corrective Action Accepted By:		Date:



# Commercial Used/ Overhauled Candidacy



Commercial Used Item Overhauled Decision Tree  
1 May 2015



# Commercial Used/ Overhauled Buys



- ESA determines NSN Candidacy
  - F108, TF33, T56, T34 & F117
- Commercial Used/Overhauled Materiel Worksheet (Surplus)
  - Evaluate all Surplus Buy Candidates
  - Every 6 Months
  - Review
    - 761
    - 762
    - Technical Data (Prints & T.O.s)
    - Add or Remove Sources
  - Construct
    - 813, Surplus Buy Worksheets
    - Engineering Notes
      - Part Numbers
      - Manufacturing Sources
      - Repair Sources
      - Technical Requirements

SURPLUS MATERIEL WORKSHEET				DATE						
				11 APR 2012						
<b>I. REQUEST FOR EVALUATION</b>										
NSN 2915012368314PN	PART NUMBER 1317M47G02	CAGE 07482	APPLICATION F108 Engine							
IMS Denny, Michael F		OFFICE SYMBOL OC-ALC / GKGBAB	PHONE 405-736-5946							
SURPLUS MATERIEL MAY BE AVAILABLE TO FULFILL THE GOVERNMENT'S NEEDS FOR THIS ITEM. AS A RESULT, AN EVALUATION MUST BE PERFORMED LAW AFMCFAR SUPPLEMENT PART 5352.										
THE EVALUATION ON THIS ITEM INDICATES SURPLUS MATERIEL			WILL BE CONSIDERED IN THE FOLLOWING							
TYPES/CATEGORIES										
<b>II. EVALUATION CRITERIA (For types/categories deemed acceptable)</b>										
	ACCEPTABLE (Y/N)	P/N AND MFG VERIFICATION	PRIOR GOV'T OWNERSHIP	100% END ITEM INSPECTION	TEST	VERIFI- LOCATION	INITIAL	OVERHAUL	OTHER	
S U R P L U S	NEW/UNUSED	Y	X	X						
	NEW/RECONDITIONED	N								
	NEW/MODIFIED	N								
	USED/OVERHAULED	Y	X							
C O M M E R C I A L	NEW/UNUSED	Y	X							
	NEW/RECONDITIONED	N								
	NEW/MODIFIED	N								
	USED/OVERHAULED	Y	X							
SURPLUS EVALUATION CRITERIA (f/ Section 11a. Indicates surplus materiel)						<b>SURPLUS MATERIEL WORKSHEET ENGINEERING NOTES</b>				<b>EN813-PSD-1</b>
PART NUMBER VERIFICATION (AFMCFARS 5352.211-9011) MFG						NATIONAL STOCK NUMBER: 2840-01-187-3200		PART NUMBER: 301-288-251-0		
PRIOR GOVERNMENT OWNERSHIP (AFMCFARS 5352.211-9015)						The following Engineering Notes will apply to any AFMCF 813s that deals with Used/Overhauled Government or Commercial Surplus.				
100% END ITEM INSPECTION (AFMCFARS 5352.211-9017)						Part Verification (AFMCFARS 5332.211-9011)				
TEST AND VERIFICATION (AFMCFARS 5352.211-9013) TECH ORDER NUM						Manufacture Cage:		Part Number		Verifiable Dimensions (AFMCFARS 5352.211-9012)
VERIFIABLE DIMENSION (AFMCFARS 5352.211-9012) DESIGN ACTIVITY						58828		301-288-251-0		58828
DRAWING NUMBER 1317M47G02						58828		301-288-256-0		58828
LOCATION OF INSPECTION TESTING (AFMCFARS 5352.211-9015)						58828		301-288-257-0		58828
INITIAL ACCEPTABILITY ITEMS (AFMCFARS 5352.211-9014) A QUANTITATIVE TEST WILL BE CONDUCTED USING THE FOLLOWING CRITERIA (and lot)						Overhaul and Certification: ESA Approved Sources of Repair and the Designated Technical Data: (These sources are not contractually bound to provide services)				
OVERHAUL AND CERTIFICATION (AFMCFARS 5352.211-9010)						Repair Cage:		Company Name:		
Repaired by following sources per CFM engine shop manual: Parker-Hannifin 0 provide services.						062W2		GEES		
COTED ORIGINAL DESIGN ELEMENTS (if any)						1GFS4		Propulsion Technologies		
AFMCF Form 813, 20000323, V1						38828		CFMI		
Generated By PRPS Using Oracle						FAF35		Socma		
						1LKE9		Chromalloy		
						Technical Data Designation: CFM56-2A/-2B		Technical Data Title: CFM56 ENGINE SHOP MANUAL		
						New/Unused Government & Commercial Surplus: Required documentation from the offeror: Surplus material shall be new/unused material only, acceptance inspection shall be conducted at destination facility. Commercial off the shelf (COTS) surplus parts, supplied by surplus vendor shall have the original FAA Form 8130-3 or Certificate of Conformance with appropriate documentation annotated by the OEM's manufacturing source. An incomplete, altered or incorrect FAA 8130-3 and/or Certificate of Conformance is unacceptable as an Airworthiness Release Record. Authorized manufacturer's cage code and p/n are listed above in Part Verification Section. Surplus supply vendors are not part manufacturers, they are only supply vendors. Used/Overhaul Government & Commercial Surplus: Required documentation from the offeror: 1. Offeror's Certificate of Conformance (COC), such as an ATA Specification 106 "Part or Material Certification Form" or similar form (with like information) containing a non-incident statement, certifying that the items were manufactured by the Original Equipment Manufacturer (OEM) annotated in this document, and were not removed from engines that operated in volcanic ash, radiation exposure or submerged, nor were acquired or formerly operated by Emery Express. 2. Offeror's AS9100 Certificate or ISO 9001:2008 Certificate or their Quality Control Manual (QCM). 3. Offeror's USAF Approved Repair Source QCM or USAF Site Survey Acceptance Letter Dated within 36 Months or DoD Site Survey with all CAPs and CARs, and ISO 9001:2008 Certificate or AS9100 Certificate; and an EXAMPLE of the FAA Form 8130-3 and/or Certificate of Conformance (COC). At the time of delivery of the parts, a completed, original FAA Form 8130-3, issued by the USAF Approved Repair Source is to be provided.				
						Justification for Unacceptable Surplus Materiel: New/Unused Government & Commercial Surplus: Required documentation from the offeror: No commercially repaired, reconditioned or modified surplus COTS material will be authorized and/or acceptable for use in Military F108-CFM56-2B engines. No FAA-PMA manufactured new/unused replacement parts that were approved for production under these methods, FAA designees, DER, DDA, DAS is allowed, unless specifically approved SAR package or F108 Engineering (LPSBAB) Engineering approval prior to acceptance inspection. PMA P/N's are identified with other prefix/suffix to differentiate from OEM P/N and are not acceptable without prior approval. ATA Spec 106 is not an FAA acceptable form for surplus material. Used/Overhaul Government & Commercial Surplus: An incomplete, altered or incorrect FAA 8130-3 and/or COC are unacceptable. Commercially repaired or overhauled surplus items will be authorized and/or acceptable for use in Military F108-GE-102 engine. No FAA-PMA manufactured new/unused replacement parts are acceptable. No FAA designees, DER, DDA, DAS are allowed. NO ITEMS REMOVED FROM ENGINES THAT OPERATED IN VOLCANIC ASH, RADIATION EXPOSURE, OR SUBMERGED, OR WERE ACQUIRED OR FORMALLY OPERATED BY EMERY EXPRESS WILL BE ACCEPTABLE.				
						Inspection/Acceptance: DCMA inspection at source prior to shipment is required.				
EVALUATOR 230942265		OFFICE SYMBOL AFLCMC/LPSBAB		PHONE 734-5019		COMPLETED DATA 11 Jan 13				



# Summary



- Seek QR or QR Waiver
- Understand the QR
- Prepare SAR and Artifacts
- Conduct SAR Self Audit
- Submit SAR to SBO
- If Required, Submit Missing Data
- If Approved, Track Approval until Expired



Questions?



# References

- FAR Subpart 9.2 Qualification Requirement April 28, 2014
  - [http://farsite.hill.af.mil/reghtml/regs/Other/Dlad/PART09.htm?zoom\\_highlight=9%2E2#P355\\_32621](http://farsite.hill.af.mil/reghtml/regs/Other/Dlad/PART09.htm?zoom_highlight=9%2E2#P355_32621)
- SECNAVINST 4140.2 (AFI 20-106) Management of Aviation Critical Safety Items (25 Jan 06)
  - [http://static.e-publishing.af.mil/production/1/af\\_a4\\_7/publication/afi20-106\\_ip/afi20-106\\_ip.pdf](http://static.e-publishing.af.mil/production/1/af_a4_7/publication/afi20-106_ip/afi20-106_ip.pdf)
- AFMCI 23-113 Pre-Award Qualification of New or Additional Parts Sources and the Use of the Source Approval Request (SAR) (14 Dec 10)
  - <http://static.e-publishing.af.mil/production/1/afmc/publication/afmci23-113/afmci23-113.pdf>
- Aviation CSI Management Handbook (16 Mar 11)
  - <http://www.aviation.dla.mil/UserWeb/AviationEngineering/EngineeringSupport/Documents/AviationCSHandbook.pdf>
- Aviation Source Approval and Management Handbook (16 Mar 11)
  - <http://www.aviation.dla.mil/sbo/AVN%20Source%20Approval%20Handbook.pdf>



# SECNAVINST 4140.2 (AFI 20-106)



- Establishes policy, procedures, and assigns responsibilities for the life-cycle management of replenishment items critical to aviation safety as required by and implements the Department of Defense (DoD) Critical Safety program as required by reference 1 and 2.
- Addresses requirements governing the initial determination of item criticality and subsequent changes to this determination;
  - coding and tracking of aviation Critical Safety Items (CSIs);
  - the process for ensuring the adequacy of technical data and proposed changes;
  - the process for approving sources of supply and repair/overhaul;
  - the surveillance process assuring that approved sources retain required capabilities;
  - authorities for one-time organic manufacture of CSIs under exigent circumstances;
  - and requirements for disposing of CSIs when no longer needed by military aviation.

SECNAVINST 4140.2  
AFI 20-106  
DA Pam 95-9  
DLAI 3200.4  
DCMA INST CSI (AV)  
25 Jan 2006

## MANAGEMENT OF AVIATION CRITICAL SAFETY ITEMS

### A. REFERENCES

1. Public Law No 108-136 "National Defense Authorization Act for Fiscal Year 2004", Section 802, Quality Control In Procurement Of Aviation Critical Safety Items And Related Services.
2. DoD 4140.1-R, DoD Supply Chain Material Management Regulation, Section C8.5, DoD Aviation Critical Safety Item (CSI)/Flight Safety Critical Aircraft Part (FSCAP) Program
3. ASME Y14.100, 2000 Engineering Drawing Practices
4. ASME Y14.24, 1999 Types and Applications of Engineering Drawings
5. ASME Y14.35M, 1997 Revision of Engineering Drawings and Associated Documents
6. ASME Y14.34M, 1996 Associated Lists
7. DoD-STD-2101, Classification of Characteristics
8. DFARS-Appendix E, DoD Spare Parts Breakout Program
9. FAA Order 8110.42A, Parts Manufacturer Approval Procedures
10. FAA AC 00-56A, "Voluntary Industry Distributor Accreditation Program"
11. Aviation Supplier Association, ASA-100, "Quality System Standard"
12. SAE Aerospace Standard AS7104, NADCAP Requirements for Accreditation of Full Distributors
13. FAA AC 20-142, Eligibility and Evaluation of U.S. Military Surplus Flight Safety Critical Aircraft Parts, Engines, and Propellers
14. DFARS 208.70, Coordinated Acquisition
15. FAR 46, Quality Assurance

<https://doni.daps.dla.mil/Directives/04000%20Logistical%20Support%20and%20Services/04-100%20Material%20Resources%20Storage%20and%20Management/4140.2.pdf>

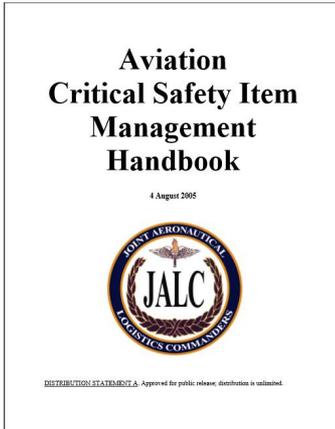


# SECNAVINST 4140.2 (AFI 20-106) Scope

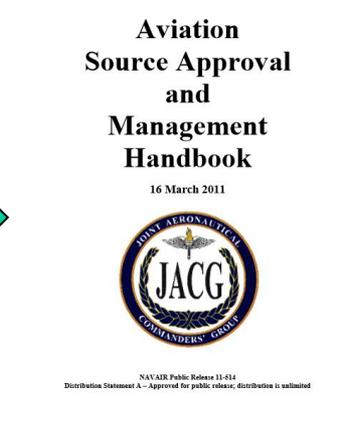
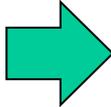


- Applies to Program Executive Officers (PEOs), commanders of system acquisition and logistics organizations, program managers, and other agencies or **commercial entities** providing procurement, repair, or overhaul services to aviation materiel.
- Covers aviation CSIs used in fixed and rotary wing aircraft, unmanned air vehicles, Aircraft Launch and Recovery Equipment (ALRE), aviation weapons and equipment, and **associated aviation support equipment**.
- **Does not** apply to commercial aircraft or subsystems purchased and maintained in accordance with Federal Aviation Administration (FAA) regulation, unless required by the Service ESA. This instruction applies to those portions of the commercial aircraft or subsystems modified or maintained to meet unique military requirements.
- Does not apply to items provided through the foreign military sales program for foreign owned and operated aircraft, systems, or equipment when
  - (a) the aircraft or item being acquired or modified is not in the active DoD inventory and the U.S. military no longer has engineering expertise on the aircraft or item, or
  - (b) the foreign customer directed the use of suppliers or configurations not approved by the US military Services.

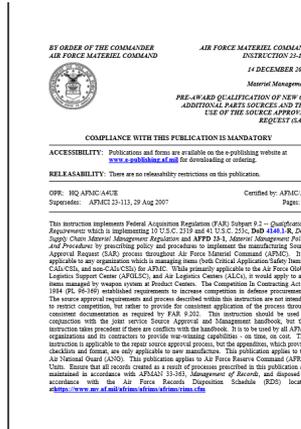
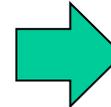
# Aviation Source Approval Policy History



2005



2011



2010

CSI Handbook spinout chapter 3 creating SAM Handbook and AFMCI created 23-113 to enforce the SAM



# Aviation CSI Management Handbook (16 Mar 11)



- This Handbook is a **guide** for Government engineers, logisticians, contracting officers, quality assurance specialists, and other supply chain management personnel involved in the life cycle acquisition and management of aviation CSIs.
  - It provides amplifying information and examples to help explain CSI policies and translate the Multi-Service/Defense Agency CSI Instruction into Government procedures and recommended contract requirements.
  - Does not provide step-by-step implementing procedures
- Applies to DoD aviation entities and is not intended as direction to Prime/OEMs or alternate suppliers.
  - Refer to CSI provisions specified in their respective contracts and contact their Contracting Officer to resolve any ambiguities, conflicts, or concerns.

## Aviation Critical Safety Item Management Handbook

4 August 2005



DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

[https://acc.dau.mil/adl/en-US/104904/file/23661/Aviation%20Critical%20Safety%20Item%20Management%20Handbook%20\(4%20Aug%202005\)1.pdf](https://acc.dau.mil/adl/en-US/104904/file/23661/Aviation%20Critical%20Safety%20Item%20Management%20Handbook%20(4%20Aug%202005)1.pdf)



# Source Approval and Management Handbook



- The processes described in this Handbook focus on Source Approvals other than Qualified Products List (QPL) items and are intended to ensure that suppliers are capable of
  - consistently producing and/or
  - providing high quality,
  - conforming items that meet design and manufacturing or ROMM requirements.

## Aviation Source Approval and Management Handbook

16 March 2011



NAVAIR Public Release 11-514  
Distribution Statement A – Approved for public release; distribution is unlimited

<http://www.dla.mil/Portals/104/Documents/Aviation/Source%20Approval%20Handbook.pdf>



# Types of Sources Considered for Approval



- Unless otherwise established by the cognizant Service ESA, only sources in the categories listed below are to be considered for approval, as validated by and acceptable to the cognizant Service ESA :
- **System or subsystem prime contractor.**
- Actual manufacturer (OEM) that supplies items to the prime Contractor where ESA determines the prime Contractor provides no “value added” to the item.
- Fully-licensed manufacturers of the prime contractor/OEM that provide substantiation of their licensing arrangement
- Fully-licensed repair/overhaul facilities of the prime contractor or of the OEM that provide substantiation of their repair/overhaul arrangement with the prime contractor
- Distributors who provide traceability that the items they are supplying were produced by an approved source according to technical and quality requirements and are unchanged in any way.
- Sources identified on a Qualified Products List (QPL), Qualified Products Database (QPD) or Critical Item Procurement Requirements Document (CIPRD).
- Sources identified on source controlled drawings.
- Sources controlled within ESA approved Qualified Supplier List programs.
- Alternate sources.
- **Sources proposing to supply items based upon reverse engineering, Parts Manufacturer Approval (PMA) test and computation, or similar techniques must be approved by the cognizant Service ESA.**



# Federal Acquisition Regulation (FAR)



- Part 9 (Contractor Qualifications)
- DFARS Part 209.270 (Aviation Critical Safety Items)
  - prescribe policies, standards, and procedures on contractor qualifications and Aviation Critical Safety Items and Critical Items.



# AFMCI 23-113 Pre-Award Qualification of New or Additional Parts Sources and the Use of the SAR



- Implements:
  - FAR Subpart 9.2
  - 10 U.S.C. 2319
  - 41 U.S.C. 253c,
  - DoD 4140.1-R,
  - DoD Supply Chain Materiel Management Regulation
  - AFPD 23-1, Materiel Management Policy
  - Procedures by prescribing policy and procedures to implement the manufacturing Source Approval Request (SAR) process throughout AFMC.

BY ORDER OF THE COMMANDER  
AIR FORCE MATERIEL COMMAND

AIR FORCE MATERIEL COMMAND  
INSTRUCTION 23-113



14 DECEMBER 2010

Materiel Management

PRE-AWARD QUALIFICATION OF NEW OR  
ADDITIONAL PARTS SOURCES AND THE  
USE OF THE SOURCE APPROVAL  
REQUEST (SAR)

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available on the e-publishing website at [www.e-publishing.af.mil](http://www.e-publishing.af.mil) for downloading or ordering.

RELEASABILITY: There are no releasability restrictions on this publication.

OPR: HQ AFMC/A4UE

Certified by: AFMC/A4

Supersedes: AFMCI 23-113, 29 Aug 2007

Pages: 67

This instruction implements Federal Acquisition Regulation (FAR) Subpart 9.2 -- *Qualifications Requirements* which is implementing 10 U.S.C. 2319 and 41 U.S.C. 253c, DoD 4140.1-R, DoD *Supply Chain Materiel Management Regulation* and AFPD 23-1, *Materiel Management Policy And Procedures* by prescribing policy and procedures to implement the manufacturing Source Approval Request (SAR) process throughout Air Force Materiel Command (AFMC). It is applicable to any organization which is managing items (both Critical Application/Safety Items - CAIs/CSIs, and non-CAIs/CSIs) for AFMC. While primarily applicable to the Air Force Global Logistics Support Center (AFGLSC), and Air Logistics Centers (ALCs), it would apply to any items managed by weapon system at Product Centers. The Competition In Contracting Act of 1984 (PL 96-369) established requirements to increase competition in defense procurements. The source approval requirements and process described within this instruction are not intended to restrict competition, but rather to provide for consistent application of the process through consistent documentation as required by FAR 9.202. This instruction should be used in conjunction with the joint service Source Approval and Management handbook, but this instruction takes precedent if there are conflicts with the handbook. It is to be used by all AFMC organizations and its contractors to provide war-winning capabilities - on time, on cost. This instruction is applicable to the repair source approval process, but the appendixes, which provide checklists and format, are only applicable to new manufacture. This publication applies to the Air National Guard (ANG). This publication applies to Air Force Reserve Command (AFRC) Units. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afirms/afirms/afirms/rims.cfm>

<http://static.e-publishing.af.mil/production/1/afmc/publication/afmci23-113/afmci23-113.pdf>



# AFMCI 23-113 Scope



- Applicable to any organization which is managing Critical Application, Critical Safety Items and non-critical items for AFMC.
  - it would apply to any items managed by weapon system at Product Centers.
- The source approval requirements and process described within this instruction are not intended to restrict competition, but rather to provide for consistent application of the process through consistent documentation as required by FAR 9.202.
- This instruction should be used in conjunction with **the joint service Source Approval and Management handbook**, but this instruction takes precedent if there are conflicts with the handbook.
- It is to be used by all AFMC organizations and its contractors to provide war-winning capabilities - on time, on cost.
- This instruction is applicable to the repair source approval process, but the appendixes, which provide checklists and format, are only applicable to new manufacture.



# AFMCI 23-113 Policy



- This instruction provides the procedures for qualification of new sources to ensure requests are submitted with complete information and are evaluated thoroughly and consistently.
- Procedures are being provided to formalize the activities for ensuring appropriate responsible technical oversight of the pre-award source qualification process within AFMC.



# CAT IV ONLY

## Reverse Engineering



# Tab E Subject Drawings/Tech Data

## Part 3: Alternate Item



<b>E. SUBJECT &amp; ALTERNATE ITEM DRAWINGS or TECHNICAL DATA: (continued)</b>	Yes	No	N/A
3. Alternate Item Drawings (CAT IV-Manufacturing QR Only) (Major) on	◇ Manufacture	◇ CAT IV	Applicable if
<b>a. Drawing Package:</b>			
1) Is this an Alternate Item (Cat IV) SAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/> Go to F.	<input type="checkbox"/>
2) Are the drawings for the latest revision?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Are all drawings sheets/frames included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Are all forgings and/or casting drawings included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Are all drawings legible? (If No, list drawings/sheets/frames required in N&C.)	<input type="checkbox"/>	<input type="checkbox"/> N&C	<input type="checkbox"/>
6) Are any drawings marked "SOURCE CONTROLLED"?	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
7) Are any drawings marked "SPECIFICATION CONTROL"?	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
<b>b. Raw Material:</b>			
1) Does the Alternate Item drawing or Technical Data identify raw or spare materials? If Yes, List Raw Material (Specification Number, Title and Revision) in N&C.	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
2) Do the Alternate and Subject Item raw materials match?	<input type="checkbox"/>	<input type="checkbox"/> N&C	<input type="checkbox"/>
<b>c. Item Dimensions:</b>			
Are there any critical dimensions marked on the drawings? (If Yes, list in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>d. Special Tooling (ST):</b>			
1) Is there any ST required?	<input type="checkbox"/> N&C	<input checked="" type="checkbox"/> Go to e.	<input type="checkbox"/>
2) Is the ST owned by the proposed Offeror?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is the ST available to the proposed Offeror?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Does the proposed Offeror have use rights for the ST from the Prime?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Will the proposed Offeror build ST?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Are ST drawings available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>e. Proprietary Data:</b>			
1) Does the SAR package contain proprietary data statements or markings? ** (If Yes, list in N&C and Activate notification.)	<input type="checkbox"/> Activate	<input type="checkbox"/> Go to F.	<input type="checkbox"/>
2) Is a proprietary data owner statement provided that authorizes use of the data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
**This is a non-technical issue which the ESA will resolve before contract award. (See Element B.)			
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.E.3.e.1. Proprietary data was found. License agreement must be maintained and cited in approval letter. <input type="checkbox"/> Element IV.E.3.e.2. Copy of proprietary data owner statement.			

CAT IV ONLY



# Tab R Pre-Qualification Test Plans



- If testing was not required, State So
- If testing is required, all proposed test plans necessary to completely qualify the part must be submitted for approval prior to beginning testing
- Testing will be at the contractor's expense
- The pre-qualification test/inspection procedures proposed and independent test laboratories proposed to be used have to be identified by Name, CAGE, Address and Telephone Number
- Test requirements are part specific

## CAT IV ONLY

<b>R. PRE-QUALIFICATION TEST PLANS: (CAT IV ◇ TEST &amp; COMP) (MAJOR)</b>	Yes	No	N/A ◇
1. Was testing required? If Yes, list the Offeror's test plans in N&C. (If No, make S. N/A and Go to T.)	<input type="checkbox"/> N&C	<input type="checkbox"/> Go to T.	<input type="checkbox"/>
2. Were the test plans adequate? (Explain any concerns in N&C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			



# Tab S Pre-Qualification Test Results



- If testing was not required, State So
- If testing has not been completed, provide ECD
- If testing has already been conducted, provide part specific test results
- Linked to Element R

## CAT IV ONLY

<b>S. PRE-QUALIFICATION TEST RESULTS: (CAT IV ◇ TEST &amp; COMP) (MAJOR)</b>	Yes	No	N/A ◇
1. Was pre-qualification testing completed for alternate part?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Was level of testing adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Were test results provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were the test results acceptable?	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
5. Do the test results identify the testing lab source?	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
○ Element IV.S.1. Copy of the Pre-Qualification Test Results.			



# Tab V FAA Certification



- If purchase orders & shipping documents for sales to/from PMA holder & actual manufacturer of PMA part were provided, include the FAA letter or supplement
- FAA PMA letter, method of approval & FAA documentation provided include:
  - Part Number
  - Assembly
  - Engine
- FAA Part 145 or Part 33 Certification
  - Method of approval and documentation

## Commercial or CAT IV ONLY

<b>V. FAA CERTIFICATION (◇ CAT IV &amp; ◇ COMMERCIAL ITEMS) (MAJOR)</b>	Yes	No	N/A
1. Is the Offeror FAA approved? 14 CFR <input type="checkbox"/> Part 21 (Manufacture) <input type="checkbox"/> Part 145 (Repair)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the FAA approval letter show the platform and model for the item?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the using Service(s) use the same platform and model? (i.e. No for F108 & CFM56)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the FAA's PMA approval consistent with the category submitted? (CAT IV ID & T/C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Did the proposed Offeror provide a design package and test results?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.V.1. Copy of the <input type="checkbox"/> 14 CFR Part 21 (Manufacture) <input type="checkbox"/> 14 CFR Part 145 (Repair) FAA certificate.			



# Tab W Alternate Item Source Component Purchase Orders



- Provide the original source component purchase orders and certificates of conformance for the actual manufacturer components used to derive alternate item source design

## CAT IV ONLY

<b>W. ALTERNATE ITEM SOURCE COMPONENT PURCHASE ORDERS: (◇ Manufacture Only) (CAT IV ◇ TEST &amp; COMP) (MAJOR)</b>		Yes	No	N/A ◇
1. Were the source component parts used for the reverse engineering purchased from the Government?		<input type="checkbox"/> N&C	<input type="checkbox"/> Go to 2.	<input type="checkbox"/>
If yes, provide date:		Date: Click here to enter a date.		
2. If parts not purchased from Government, were they traceable to the Prime, OEM, or Government approved Supplier?		<input type="checkbox"/> N&C	<input type="checkbox"/> Go to 3.	<input type="checkbox"/>
If Yes, Whom?	<input type="checkbox"/> Prime, <input type="checkbox"/> OEM, <input type="checkbox"/> Government Approved or <input type="checkbox"/> Surplus Vendor	Date: Click here to enter a date.		
3. Were the source component parts purchased to the latest Prime/OEM data revision?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Did the proposed Offeror procure the approved item in sufficient quantity to develop a statistically sound history? (more than 15 items) (Explain any concerns in N&C)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Was the Certificate of Conformance (COC) for the Subject Item provided?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. How many parts were purchased? (Explain any concerns in N&C)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):				



# Tab X Statistical Data



- Provide the actual components statistical data used to derive alternate item source design
- If the part is in production, provide the statistical control data

# CAT IV ONLY

<b>X. STATISTICAL DATA: (CAT IV ◇ TEST &amp; COMP) (MAJOR)</b>			
1. Test and Computation Statistical Process Control (SPC)	Yes	No	N/A ◇
Does the statistical data used to derive the Alternate Item source design appear acceptable? (Explain any concerns in N&C.)	<input type="checkbox"/> N&C	<input type="checkbox"/>	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			



# Tab Y Reverse Engineering Management Plan



- Provide Reverse Engineering Management Plan
  - Describing the approach used to develop the specifications
  - Design, materials, critical characteristics, critical inspection processes, and critical manufacturing processes to satisfy requirements and how these were derived
- Note: If the proposed source has not begun a reverse engineering effort, the source should provide the reverse engineering management plan prior to submittal of the SAR package

## CAT IV ONLY

<b>Y. REVERSE ENGINEERING MANAGEMENT PLAN: (◇ CAT IV Only) (MAJOR)</b>	Yes	No	N/A ◇
1. Does the plan included provide acceptable detail?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does it adequately describe all aspects of the proposed reverse engineering design, materials, critical characteristics, critical inspection and manufacturing processes? (Explain any concerns in N&C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed plan allow for successful Subject Item reverse engineering? (If No, explain any concerns in N&C.)	<input type="checkbox"/> N&C	<input type="checkbox"/> N&C	<input type="checkbox"/> N&C
NOTES & COMMENTS (N&C):			
<input type="checkbox"/> Element IV.Y.1. Reverse engineering plan has not been approved, determine if allowed. If approved, the reverse engineering plan must be included in the approval letter. <input type="checkbox"/> Element IV.Y.1. Copy of the reverse engineering management plan. (Scan and upload separately)			



# Tab Z Alternate Application Environment



- Cat IV Only, provide commercial operating mission
  - Environment
  - Weight
  - Safety assessments

# CAT IV ONLY

<b>Z. ALTERNATE APPLICATION ENVIRONMENT: (◇ CAT IV Only) (MAJOR)</b>	Yes	No	N/A◇
1. Was the commercial environment information provided with adequate detail?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the commercial application operate in similar environments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the commercial application experience similar loads and/or weights?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the commercial application undergo similar safety assessments as would be performed in military environment? (If No, explain any concerns in N&C.)	<input type="checkbox"/>	<input type="checkbox"/> N&C	<input type="checkbox"/>
NOTES & COMMENTS (N&C):			



# Acquisition Method Suffix Codes

## AMC/AMSC



																		Mar 2015		
AMSC	Description	Expire (Months)	AMC-QR?					Screen	Screen TDP (Given)	ENGR 761 SAW	ES EDL	ENGR JQR	ENGR QR Listing	ENGR MQR	ENGR 84 Waiver	ENGR QR Waiver	FAT 260	Competitive	Notes	
A	Data Right Questionable	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2	Limited if alt data source can be used to qualify design control activity (OEM) procedure	
B	Source Control	60	No	No	No	No	No	Maybe	Yes	Maybe	Yes	No	No	No	Yes	No	if 1 or 2	OEM approval. DoD-STD-100. AFI 201-06 shall be considered approved, unless determined by the ESA to be otherwise.		
C	Engineering Source Approval	60	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	1.2	Yes	No	Yes	if 1 or 2	Approved by CEA per QR		
D	GOV Data or Rights NOT Physically Available	60			No	No	No	No	No	Yes	No	Yes	No	No	Yes	No	if 1 or 2	can not purchase data or data rights		
E	Reserved		Reserved																	
F	Reserved		Reserved																	
G	Full and Open Competition	Unlimited	No	No	← Not CSI			Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Data is available; No restrictions; if FAT is required change to ASMC C		
H	No sufficient, accurate or legible data to purchase from other than the current source	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2		
I	Not Authorized		Not Authorized																	
J	Reserved		Reserved																	
K	Approved Class 1 Castings and Similar Forgings SAE- AMS2175 (MIL-STD-2175)	None	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Maybe	Maybe; Depends1,2	Maybe	Maybe	Yes	if 1 or 2	one source for casting/forging. Depends if they will provide cast/forge? SAE-AMS2175 (MIL-STD-2175)	
L	Low Dollar Buy	0 transfer only	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	if 1 or 2	part buy falls below the screening threshold established by DoD	
M	Master Tooling or Coordinated Tooling	60	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Maybe	Maybe; Depends1,2	Maybe	Maybe	Yes	if 1 or 2	if more than one tooling set exist and can be made available?
N	Manufacturing Requires Special Test a/o Ultra-Precision Quality	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Maybe	No	if 1 or 2	Can Substantiation and Inspection of the Precision or Quality be Accomplished?	
O	No AMSC Code Assigned		Yes					Yes	None											
P	Cannot Purchase Data Rights	60			No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2	Uneconomical to Reverse Engineer (RE)? Does second source had the Data?	
Q	No Adequate Data, Rights or Both	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2	Must be Reviewed Periodically	
R	No Data or Rights from Additional Sources	60	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2	Cannot Purchase data & RE not Economical. Data Rights were not purchased Initially (F108)	
S	Unclassified Military Sensitive Technology	60	No	No	No	No	No	No	Controlled	Yes	No	Yes	No	No	No	Yes	No	if 1 or 2	Controlled; Restricted. No Initial Data Purchased FAR 6.3 Would Require Special Procurement	
T	QPL	None																	AFI 20-106 Approved where the ESA coordinated on the approval	
U	No Projected Life Time Savings	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	if 1 or 2	Limited to current GOV Sources due to cost of Developing New Sources	
V	Formal High Reliability Program	60	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	3	No	Yes	No	if 1 or 2	Designated a High Reliability Part under a Formal Reliability Program. ENSIP or PSIP Programs, SOLAR, DAR or SLAM. OEM and Licensee. Must be on the V-Coded List.	
W	Reserved		Reserved																	
X	Not Authorized		Not Authorized																	
Y	Unstable Design	60	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	1 or 2 apply	Limited Quantity for Test or Service Use	
Z	Commercial/Non-developmental/off-the-shelf	None	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Maybe	No	if 1 or 2	Commercial Manuals Assigned a Technical Manual Number	



# Repair Method Suffix Codes

## RMC/RMSC



Engr	Reference: AFMCI 21-149	RMC-QR?								ES	Engr	Engr	Engr	Engr	Engr	Engr	Engr	Engr	5-May-15	
RMSC	Description	Expire (Months)	1	2	3	4	5	TEMP	TDP	762 CR SAW	RDL	JQR	QR	QR Listing	84 Waiver	QR Waiver	FAT 260	Competitive	Notes	
RA	Data Right Questionable	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	Limited if alt data source can be used to qualify design control activity (OEM) procedure. ASME T14.100
RB	Source Control	60	No	No	No	No	No	No	Yes	Yes	Maybe	Yes	No	No	No	Yes	No	No	if 1 or 2	OEM approval. DoD-STD-100
RC	Engineering Source Approval	60	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	1, 2	Yes	Yes	No	No	No	if 1 or 2	Data is available, Approved by CEA
RD	GOV Data or Rights not Physically Available	60			No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	
RE	Reserved		Reserved																	
RF	Reserved		Reserved																	
RG	Full and Open Competition	None	No	No	← Not CSI			No	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Data is available; No restrictions
RH	No sufficient, accurate, or legible data to purchase from other than the current source	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	
RI	Not Authorized		Not Authorized																	
RJ	Reserved		Reserved																	
RK	Approved Class 1 Castings and Similar Forgings SAE-AMS2175 (MIL-STD-2175)	None	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Maybe; Depends 1, 2	Maybe	Maybe	Maybe	No	if 1 or 2	one source for casting/forging. Depends if they will provide cast/forging? SAE-AMS2175 (MIL-STD-2175)
RL	Low Dollar Buy (Can only Used to Replace O)	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No	if 1 or 2	part buy falls below the screening threshold established by DoD
RM	Master Tooling or Coordinated Tooling	60	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Maybe; Depends 1, 2	Maybe	Maybe	Maybe	No	No	if 1 or 2	if more then one tooling set exist and can be made available?
RN	Manufacturing Requires Special Test a/o Ultra-Precision Quality	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No	if 1 or 2	Can Substantiation and Inspection of the Precision or Quality be Accomplished?
RO	No AMSC Code Assigned		0	0	0	0	0	Yes	None	Yes	None									
RP	Cannot Purchase Data Rights	60			No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	Uneconomical to Reverse Engineer (RE)? Does second source have the Data? Can the OEM or Data Owner be Qualified?
RQ	No Adequate Data or Data Rights or Both	24	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	Must be Reviewed Periodically
RR	No Data or Rights from Additional Sources	60	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	Cannot Purchase data & RE not Economical.
RS	Unclassified Military Sensitive Technology	60	No?	No?	No?	No?	No?	No?	Controlled	Yes	No	Yes	No	No	No	Yes	No	No	Controlled; if 1 or 2	Restricted. No Initial Data Purchased FAR 6.3
RT	Reserved	None	Reserved																	
RU	No Projected Life Time Savings	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No	if 1 or 2	Limited to current GOV Sources due to cost of Developing New Sources. EA
RV	Formal High Reliability Program	60	No	No	No	No	No	No	Yes	Yes	Yes	Yes	1, 2	No	No	Yes	No	No	if 1 or 2	Designated a High Reliability Part under a Formal Reliability Program.
RW	Reserved		Reserved																	
RX	Not Authorized		Not Authorized																	
RY	Unstable Design	60	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	1 or 2 apply	Limited Quantity for Test or Service Use
RZ	Commercial/Non-developmental/off-the-shelf	None	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	No	if 1 or 2	Commercial Manuals Assigned a Technical Manual Number



# ESA Required Action



- Engineering
  - Updates Criticality (Missing or Incorrect)
  - Requests D043 update (Criticality)
  - Establishes Qualification Requirement
    - Approved Part Number Listing or
    - JQR and QR (MQR or RQR)
  - or Requests Waiver
    - AF Waiver Only
    - DLA Waiver & JQR
      - JQR would be signed by AF Comp Advocate
      - AF is having issues signing a JQR for a waiver
  - Rescreens 761 & 762 (AMSC Incorrect)
  - Approvals or Disapproval Letter per Template
  - Requests Missing Drawings or Specifications from Sales Desk
  - Requests 761 or 762 Update (Adjust Sources)



# ESA Configuration Control Evaluation

- Configuration Control Evaluation
  - Criticality Review
  - 761 or 762 Review
  - AMC/AMSC or RMC/RMSC
  - MQR, RQR or Waiver Issuance
- Determines if SAR should be evaluated and in accordance with which QR.

## LPS 815 Element 3 Part A

III. SUBJECT ITEM ENGINEERING CONFIGURATION CONTROL EVALUATION (CCE)											
ESA-ENGINEER: [ ]		ORG: [ ]		PHONE: [ ]		Date: [ ]					
◆ Element I.F. SAIB has been rescinded. Migrate QR to either MQR-1, -2, or -3 or RQR-PSD-1/RQR-PSD-2.											
◆ Element I.F. No Qualification Requirement was identified or found. Determine if QR is required and/or seek waiver.											
A. TECHNICAL DATA INTEGRITY REVIEW (TDIR)										Supplement Form Used? <input type="checkbox"/> Yes <input type="checkbox"/> No	
1. For Manufacture (761) or Repair (762) SAR fill in the entire Table below for all applicable NSNs.											
2. E-Workspace (EWS) Criticality: For NSN-1 select item at right, for NSN-2-5 fill in below. If CSI, select CSI and the sub-category.										<input type="checkbox"/> CRITICAL SAFETY ITEM (CSI) <input type="checkbox"/> CSI-C <input type="checkbox"/> CSI-S <input type="checkbox"/> CRITICAL APPLICATION ITEM (CAI) <input type="checkbox"/> NON-CRITICAL ITEM <input type="checkbox"/> Listed, but NOT RATED/No Record Matching (Establish Rating)	
NSN (1 thru 5)	EWS Criticality	IHS Criticality	761-762	762-ERRC	AMC/AMSC or RMC/RMSC		QR	QR loaded in PRPS?	QR in 761/762 Remarks?	Master QR Listing?	
					Code	EXPIRE					
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
Note: The following questions apply to all NSNs listed including those listed on the supplement form. Describe in N&C any action taken to correct any deficiencies found.										Yes	No
3. Does the 761/762 Criticality, EWS Criticality and IHS Criticality (CSI=F, CAI=Y) all match? If No, request SCM/ES update the criticality in D043, add a Note to the 761/762 Remark section listing the Criticality and update EWS records as needed. Record any actions taken in N&C.										<input type="checkbox"/>	<input type="checkbox"/>
4. Are all of the 761s/762s in PRPS? If No, request NSN screening and record actions taken in N&C.										<input type="checkbox"/>	<input type="checkbox"/>
5. 762: For Repairs Only: Is the ERRC Code listed C, P, S, T, or U? If No, then the Repair is not authorized and package should be Returned without Action (RW/OA).										<input type="checkbox"/>	<input type="checkbox"/>
6. Are the AMC/RMSC code(s) C, K, M, or V? If No, request QR waiver, cancel any established QR, then return SAR & Waiver to SBO and request that Supplier purchase technical data from data owner.										<input type="checkbox"/>	<input type="checkbox"/>
7. Are all of the AMC/AMSC or RMC/RMSC Expiration Date(s) valid and not expired (762-Block 29)?										<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Engineering Data List (EDL) or the Repair Data List (RDL) identified in the 761/762? If the EDL and/or RDL is required, are they loaded in PRPS? If No, update 761/762 and load DL into PRPS.										<input type="checkbox"/>	<input type="checkbox"/>
9. Are the AMC/RMSC Codes listed on the 761/762 supported by Engineering Data? If No, take the necessary steps to update 761/762.										<input type="checkbox"/>	<input type="checkbox"/>
10. Are the listed QR(s) loaded in PRPS? If No, load QR(s) in PRPS. For DLA 339s check IES for QR(s). If any are found, load the listed QR into PRPS, after completing proper documentation.										<input type="checkbox"/>	<input type="checkbox"/>
11. Is the QR listed in the 761/762 Remarks Section? If No, take the necessary steps to update 761/762.										<input type="checkbox"/>	<input type="checkbox"/>
12. Is the QR listed in the Master QR Listing? If No, take the necessary steps to add QR to Master List.										<input type="checkbox"/>	<input type="checkbox"/>
13. Does the QR and Criticality listed above match what is selected on page 1? If No, correct Page 1 entry.										<input type="checkbox"/>	<input type="checkbox"/>
B. CONFIGURATION CONTROL											
1. Are all known engineering changes (CIDs, ECPs, DONs, EOs, Service Bulletins, etc.) complete and closed for this item?										<input type="checkbox"/>	<input type="checkbox"/>
2. Are all engineering investigations that affect this item complete and closed at this time?										<input type="checkbox"/>	<input type="checkbox"/>
3. (Required) Was Top Down Break Down performed? Technical Data review to determine if the SAR contains all data to allow a competent manufacturer/repairer to provide an equal or better item.										<input type="checkbox"/>	<input type="checkbox"/>
C. DISPOSITION											
1. Forward to SAR Evaluators for Evaluation? Forward if all blocks are highlighted and marked Yes, else take the required actions prior to forwarding to Evaluators. Document all actions.										<input type="checkbox"/>	<input type="checkbox"/>
2. Enter Time in Element VII										Forward	Action
NOTES & COMMENTS (N&C)											
<input type="checkbox"/> Element III.A.3. 761/762 needs to be re-screened and/or revised. <input type="checkbox"/> Element III.A.7. AMC/AMSC or RMC/RMSC has expired. 761/762 needs to be re-screened and/or revised. <input type="checkbox"/> Element III.A.8. D043 and 761 needs to be updated to correctly list the criticality. <input type="checkbox"/> Element III.A.10. QR needs to be loaded into PRPS. <input type="checkbox"/> Element III.B.3. Return Without Action, Configuration Control is not adequate. Go To Section V for completion. <input type="checkbox"/> Provide 761 and/or 762 copy with the criticality and the QR annotated.											



# Configuration Control Evaluation

- ESA Conducts:
  - Review of ECPs, SB, EPDs
  - **Top Down Break Down Required**
- Possible Engineering Action:
  - Update Criticality (Missing or Incorrect)
  - Rescreen or Update 761 & 762
  - AMSC/RMSC Incorrect or Adjust Sources
  - Forward or Return without Action

Top Down Break Down - Technical Data review to determine if the TDP/EDL/RDL contains all data to allow a competent manufacturer/repairer to provide an equal or better item to the USAF.]

## LPS 815 Element 3 Part B

B. CONFIGURATION CONTROL	
1. Are all known engineering changes (CIDs, ECPs, DCNs, EOs, Service Bulletins, etc.) complete and closed for this item?	<input type="checkbox"/> <input checked="" type="checkbox"/>
2. Are all engineering investigations that affect this item complete and closed at this time?	<input type="checkbox"/> <input type="checkbox"/>
3. (Required) Was Top Down Break Down performed? [Technical Data review to determine if the SAR contains all data to allow a competent manufacturer/repairer to provide an equal or better item.]	<input type="checkbox"/> <input checked="" type="checkbox"/>
C. DISPOSITION	
1. Forward to SAR Evaluators for Evaluation? Forward if all blocks are highlighted and marked Yes, else take the required actions prior to forwarding to Evaluators. Document all actions.	<input type="checkbox"/> Forward <input type="checkbox"/> Action
2. Enter Time in Element VII	
NOTES & COMMENTS (N&C):	
<input type="checkbox"/> Element III.A.3. 761/762 needs to be re-screened and/or revised. <input type="checkbox"/> Element III.A.7. AMQ/AMSC or RMC/RMSC has expired. 761/762 needs to be re-screened and/or revised. <input type="checkbox"/> Element III.A.8. D043 and 761 needs to be updated to correctly list the criticality. <input type="checkbox"/> Element III.A.10. QR needs to be loaded into PRPS. <input type="checkbox"/> Element III.B.3. Return Without Action, Configuration Control is not adequate. Go To Section V for completion. <input type="checkbox"/> Provide 761 and/or 762 copy with the criticality and the QR annotated.	

ESA documents all actions taken and records comments here. Evaluators document all ESA actions not taken or required.